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OM protein - protein search, using sw model.

Run on: September 28, 2004, 10:40:08 ; Search time 23.2779 Seconds
 (without alignments)
 742.965 Million cell updates/sec

Title: US-09-446-634B-22
 Perfect score: 1804

Sequence: 1 MLGITWLPLVLTSLSS.....KDITSDSENSNERNEIQSLV 335

Scoring table: BLOSUM62
 Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters:

389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cn2_6_ptodata/2/iaa/5A_COMB.pep:*
 2: /cn2_6_ptodata/2/iaa/5A_COMB.pep:*
 3: /cn2_6_ptodata/2/iaa/5A_COMB.pep:*
 4: /cn2_6_ptodata/2/iaa/6B_COMB.pep:*
 5: /cn2_6_ptodata/2/iaa/9CTUS_COMB.pep:*
 6: /cn2_6_ptodata/2/iaa/hackfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the distribution, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	1804	100.0	335	2	US-09-237B-2	Sequence 2, Appli
2	1804	100.0	335	2	US-09-409-338-1	Sequence 1, Appli
3	1804	100.0	335	3	US-09-290-640-2	Sequence 2, Appli
4	1804	100.0	335	3	US-09-006-353A-7	Sequence 7, Appli
5	1804	100.0	335	3	US-09-468-560C-2	Sequence 2, Appli
6	1804	100.0	335	4	US-09-180-100-20	Sequence 20, Appli
7	1804	100.0	335	4	US-09-565-918-3	Sequence 3, Appli
8	1804	100.0	335	4	US-09-573-986-7	Sequence 7, Appli
9	1804	100.0	335	4	US-09-665-615B-2	Sequence 2, Appli
10	1804	100.0	335	5	PCT-US95-17083-2	Sequence 2, Appli
11	1804	100.0	669	4	US-09-013-895A-3	Sequence 3, Appli
12	1804	100.0	669	4	US-09-448-868-3	Sequence 3, Appli
13	1792	99.3	335	3	US-08-815-469-6	Sequence 6, Appli
14	1743	96.6	331	3	US-09-086-483A-3	Sequence 3, Appli
15	1743	96.6	331	4	US-09-580-212-3	Sequence 3, Appli
16	1743	96.6	331	4	US-09-769-402-3	Sequence 3, Appli
17	1667	92.4	314	1	US-08-444-231-9	Sequence 19, Appli
18	1667	92.4	314	1	US-08-152-443A-19	Sequence 19, Appli
19	1667	92.4	314	5	PCT-US95-17083-4	Sequence 4, Appli
20	1484	82.3	281	4	US-09-527-236A-3	Sequence 3, Appli
21	1484	82.3	281	4	US-09-156-854-3	Sequence 3, Appli
22	1225	67.9	219	3	US-08-974-022-45	Sequence 45, Appli
23	1225	67.9	219	3	US-08-795-445A-45	Sequence 45, Appli
24	1225	67.9	219	3	US-08-975-447A-45	Sequence 45, Appli
25	1225	67.9	219	3	US-08-186-186-45	Sequence 45, Appli
26	1225	67.9	219	4	US-08-795-446B-45	Sequence 45, Appli
27	1225	67.9	219	4	US-08-706-945D-131	Sequence 131, App

ALIGNMENTS

28	1225	67.9	219	4	US-08-577-788C-45	Sequence 45, Appli
29	942	52.2	167	4	US-08-828-683A-22	Sequence 22, Appli
30	893	49.5	157	4	US-09-180-100-15	Sequence 15, Appli
31	856	47.5	327	3	US-09-290-640-66	Sequence 66, Appli
32	856	47.5	327	4	US-09-665-615B-6	Sequence 66, Appli
33	811.5	45.0	144	4	US-09-180-100-21	Sequence 21, Appli
34	811.5	45.0	159	4	US-09-180-100-23	Sequence 23, Appli
35	811.5	45.0	376	4	US-09-180-100-22	Sequence 22, Appli
36	757	42.0	128	4	US-09-180-100-9	Sequence 9, Appli
37	757	42.0	143	4	US-09-180-100-10	Sequence 10, Appli
38	757	42.0	360	4	US-09-180-100-11	Sequence 11, Appli
39	712	39.5	119	2	US-08-219-237B-3	Sequence 14, Appli
40	712	39.5	119	3	US-08-477-347-14	Sequence 14, Appli
41	712	39.5	119	3	US-08-478-862-5	Sequence 5, Appli
42	712	39.5	119	3	US-08-468-560C-3	Sequence 3, Appli
43	712	39.5	119	4	US-08-828-683A-15	Sequence 15, Appli
44	712	39.5	119	4	US-09-800-909-5	Sequence 5, Appli
45	712	39.5	119	4	US-09-800-908-14	Sequence 14, Appli

RESULT 1	US-08-219-237B-2	;	Sequence 2, Application US/08219237B	;	Patent No. 5874546	;
;	;	;	GENERAL INFORMATION:	;	;	;
;	;	;	APPLICANT: NAGATA, Shigekazu	;	;	;
;	;	;	ADDRESS: ITOH, Naoto	;	;	;
;	;	;	TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen	;	;	;
;	;	;	NUMBER OF SEQUENCES: 11	;	;	;
;	;	;	CORRESPONDENCE ADDRESS:	;	;	;
;	;	;	ADDRESSEE: James W. Hellwege	;	;	;
;	;	;	STREET: P.O. Box 2266 Eads Station	;	;	;
;	;	;	CITY: Arlington	;	;	;
;	;	;	STATE: Virginia	;	;	;
;	;	;	COUNTRY: USA	;	;	;
;	;	;	ZIP: 22202	;	;	;
;	;	;	COMPUTER READABLE FORM:	;	;	;
;	;	;	MEDIUM TYPE: FLOPPY disk	;	;	;
;	;	;	COMPUTER: IBM PC compatible	;	;	;
;	;	;	OPERATING SYSTEM: PC-DOS/MS-DOS	;	;	;
;	;	;	SOFTWARE: PatentIn Release #1.0, Version #1.25	;	;	;
;	;	;	CURRENT APPLICATION DATA:	;	;	;
;	;	;	APPLICATION NUMBER: US/08/219,237B	;	;	;
;	;	;	FILING DATE: 28-MAR-1994	;	;	;
;	;	;	CLASSIFICATION: 435	;	;	;
;	;	;	PRIOR APPLICATION DATA:	;	;	;
;	;	;	APPLICATION NUMBER: US 07/872,129	;	;	;
;	;	;	FILING DATE: 22-APR-1992	;	;	;
;	;	;	CLASSIFICATION: 435	;	;	;
;	;	;	ATTORNEY/AGENT INFORMATION:	;	;	;
;	;	;	NAME: James W. Hellwege	;	;	;
;	;	;	REGISTRATION NUMBER: 28,808	;	;	;
;	;	;	REFERENCE/DOCKET NUMBER: 516762	;	;	;
;	;	;	INFORMATION FOR SEQ ID NO: 2:	;	;	;
;	;	;	SEQUENCE CHARACTERISTICS:	;	;	;
;	;	;	LENGTH: 335 amino acids	;	;	;
;	;	;	TYPE: amino acid	;	;	;
;	;	;	TOPOLOGY: linear	;	;	;
;	;	;	MOLECULE TYPE: protein	;	;	;
;	;	;	US-08-219-237B-2	;	;	;

Query Match	100.0%	Score 1804;	DB 2;	Length 335;
;	;	;	Best Local Similarity 100.0%;	Pred. No. 1.9e-160;
;	;	;	Matches 335;	Conservative 0;
;	;	;	Indels 0;	Gaps 0;

Qy	1	MLGIWTLPLVLTSVARLSSKSYNAQTDSNSKGLELRKTVTVTQNLEGHLHDGQFCH 60	;	;
Db	1	MLGIWTLPLVLTSVARLSSKSYNAQTDSNSKGLELRKTVTVTQNLEGHLHDGQFCH 60	;	;

RESULT 2
US-08-409-338-1

; Sequence 1, Application US/08409338
; Patent No. 5891434

; GENERAL INFORMATION:
; APPLICANT: Krammer, Peter H.
; APPLICANT: Debatin, Klaus-Michael
; APPLICANT: Trauth, Bernhard C.
; APPLICANT: Behrmann, Iris
; APPLICANT: Dein, Jens
; APPLICANT: Klas, Christiane
; APPLICANT: Müller, Peter
; APPLICANT: Falk, Werner
; APPLICANT: Oehm Alexander
; APPLICANT: Daniel, Peter T.
; TITLE OF INVENTION: Monoclonal Antibodies to the APO-1 Antigen

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington, MA 02173
; STATE: Massachusetts
; COUNTRY: USA
; ZIP/P: 02173

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/409,338
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/260,644
; FILING DATE: 16-JUN-1994
; APPLICATION NUMBER: US 07/691,016
; FILING DATE: 17-JUN-1991
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Brock, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CTR89-35A2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; / US-08-409-338-1

Qy 61 KPCPPGERKARDCTVNGBPDCTCPQEGEYTDKHFSSKRCRCLCDEGHGLEBEINCT 120
Db 61 KPCPPGERKARDCTVNGBPDCTCPQEGEYTDKHFSSKCRRCICDEGHGLEBEINCT 120
Qy 121 RTQNTKCRCKPNFFCNSTYCEHCDPCTCERHG1IKECTLTTSNTKCKEERSRSNLWMLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTYCEHCDPCTCERHG1IKECTLTTSNTKCKEERSRSNLWMLCLL 180
Qy 181 LLPLPLIVWVKRKVKVQTKCRKHKRKENQSHESPTNPETAVNLSPVDLSKYITTAGYM 240
Db 181 LLPLPLIVWVKRKVKVQTKCRKHKRKENQSHESPTNPETAVNLSPVDLSKYITTAGYM 240
Qy 241 TLSQVKGFYRKNGYNEAKIDKEIKNNVQDTAEOKVQLLRNWHQIGKKEAYDTLKDJKK 300
Db 241 TLSQVKGFYRKNGYNEAKIDKEIKNNVQDTAEOKVQLLRNWHQIGKKEAYDTLKDJKK 300
Qy 301 ANLCLTAEKQTLKLKDITSSENSNFRNEIQSLV 335
Db 301 ANLCLTAEKQTLKLKDITSSENSNFRNEIQSLV 335

Qy 301 ANLCTLAEKIQTILKDTIDSSENSNFRNEIQSLV 335
 Db 301 ANLCTLAEKIQTILKDTIDSSENSNFRNEIQSLV 335

RESULT 4
 US-09-006-353A-7
 ; Sequence 7, Application US/09006353A
 ; Patent No. 6261801
 GENERAL INFORMATION:
 ; APPLICANT: WEI, YING-FEI
 ; APPLICANT: YU, GUO-LIANG
 ; APPLICANT: GENTZ, REINER
 ; APPLICANT: RUBEN, STEVEN
 TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESS: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVENUE
 CITY: ROCKVILLE
 STATE: MD
 COUNTRY: US
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/006,353A
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: BROOKES, ANDERS A
 REGISTRATION NUMBER: 36 373
 REFERENCE/DOCKET NUMBER: PF341
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 335 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-09-006-353A-7

Query Match 100.0%; Score 1804; DB 3; Length 335;
 Best Local Similarity 100.0%; Pred. No. 1.9e-10;
 Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MIGITWLLPLVITSVARLSKSNSYNAQVTDINSKGLELRKTIVTETONLEGHLHDGOFCH 60
 Db 1 MIGITWLLPLVITSVARLSKSNSYNAQVTDINSKGLELRKTIVTETONLEGHLHDGOFCH 60
 Qy 61 KPCPGGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSKCCRCLCDEGHGLVEINCT 120
 Db 61 KPCPGGERKARDCTVNGDPPDCPQCEKEYTDKAHFSKCCRCLCDEGHGLVEINCT 120
 Qy 121 RTQNTKCRCKPNFFCNSTCEHDPCTKCBBHGIKECTTSNYKCKEESRSNLGWICLL 180
 Db 121 RTQNTKCRCKPNFFCNSTCEHDPCTKCBBHGIKECTTSNYKCKEESRSNLGWICLL 180
 Qy 121 RTQNTKCRCKPNFFCNSTCEHDPCTKCBBHGIKECTTSNYKCKEESRSNLGWICLL 180
 Db 121 RTQNTKCRCKPNFFCNSTCEHDPCTKCBBHGIKECTTSNYKCKEESRSNLGWICLL 180
 Qy 181 LLPIPLTWVKRKEVKVOTCKRKHRKENOGSHESPTLNPTVAINALSDYDLSKTTIAGVM 240
 Db 181 LLPIPLTWVKRKEVKVOTCKRKHRKENOGSHESPTLNPTVAINALSDYDLSKTTIAGVM 240
 Qy 181 LLPIPLTWVKRKEVKVOTCKRKHRKENOGSHESPTLNPTVAINALSDYDLSKTTIAGVM 240
 Db 181 LLPIPLTWVKRKEVKVOTCKRKHRKENOGSHESPTLNPTVAINALSDYDLSKTTIAGVM 240
 Qy 241 TLSQVKGFYRKNGNEAKIDEIKNDYVQDTAQVQLRNWHGKKEAYDTLIKDKK 300
 Db 241 TLSQVKGFYRKNGNEAKIDEIKNDYVQDTAQVQLRNWHGKKEAYDTLIKDKK 300
 Qy 301 ANLCTLAEKIQTILKDTIDSSENSNFRNEIQSLV 335
 Db 301 ANLCTLAEKIQTILKDTIDSSENSNFRNEIQSLV 335
 Qy 301 ANLCTLAEKIQTILKDTIDSSENSNFRNEIQSLV 335

; PRIOR FILING DATE: 1997-01-28
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 3
 ; LENGTH: 335
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-565-918-3

Query Match 100.0%; Score 1804; DB 4; Length 335;
 Best Local Similarity 100.0%; Pred. No. 1.9e-160;
 Matches 335; Conservative 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSSVANQYDINSKGLELRKTVTTVETONLEGHLHDGQFCH 60
 Db 1 MLGIWTLPLVLTSSVANQYDINSKGLELRKTVTTVETONLEGHLHDGQFCH 60

Qy 61 KPCPPGERKARDCTVNGDEPDCVPCCQEGKEYTDKAFFSKCRRCRLCDEGHGLEVEINCT 120
 Db 61 KPCPPGERKARDCTVNGDEPDCVPCCQEGKEYTDKAFFSKCRRCRLCDEGHGLEVEINCT 120

Qy 121 RTQNTKCRCKPNFFCNSTVCBHDPCPKCEHGLIKECTLTSNTKCKREGSRSNLGWLCLL 180
 Db 121 RTQNTKCRCKPNFFCNSTVCBHDPCPKCEHGLIKECTLTSNTKCKREGSRSNLGWLCLL 180

Qy 121 RTQNTKCRCKPNFFCNSTVCBHDPCPKCEHGLIKECTLTSNTKCKREGSRSNLGWLCLL 180
 Db 121 RTQNTKCRCKPNFFCNSTVCBHDPCPKCEHGLIKECTLTSNTKCKREGSRSNLGWLCLL 180

Qy 181 LLPIPLIVWVKRKEYQTKCRKHRKENQSHESPTLNPTVAINLSVDLSKYTTIAGVM 240
 Db 181 LLPIPLIVWVKRKEYQTKCRKHRKENQSHESPTLNPTVAINLSVDLSKYTTIAGVM 240

Qy 241 TLSQVKGFVRKNGVNAAKIDEIKNDNYQDTAEQKVOLLRNWHQLHGKKEAYDTLIKDLKK 300
 Db 241 TLSQVKGFVRKNGVNAAKIDEIKNDNYQDTAEQKVOLLRNWHQLHGKKEAYDTLIKDLKK 300

Qy 301 ANLCTLAEKIQTILKDITSDSENSNFRNEIQSLV 335
 Db 301 ANLCTLAEKIQTILKDITSDSENSNFRNEIQSLV 335

RESULT 8
 US-09-573-986-7
 ; Sequence 7, Application US/09573986
 ; SEQ ID NO: 7
 ; PATENT NO. 6455040
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Ying-Fei
 ; APPLICANT: Ni, Jian
 ; APPLICANT: Gentz, Reiner
 ; APPLICANT: Ruben, Steven
 ; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
 ; FILE REFERENCE: 1488-1280004
 ; CURRENT APPLICATION NUMBER: US/09/573,986
 ; CURRENT FILING DATE: 2000-05-18
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: PatentIn Ver. 2.1

Query Match 100.0%; Score 1804; DB 4; Length 335;
 Best Local Similarity 100.0%; Pred. No. 1.9e-160;
 Matches 335; Conservative 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSSVANQYDINSKGLELRKTVTTVETONLEGHLHDGQFCH 60
 Db 1 MLGIWTLPLVLTSSVANQYDINSKGLELRKTVTTVETONLEGHLHDGQFCH 60

Qy 61 KPCPPGERKARDCTVNGDEPDCVPCCQEGKEYTDKAFFSKCRRCRLCDEGHGLEVEINCT 120
 Db 61 KPCPPGERKARDCTVNGDEPDCVPCCQEGKEYTDKAFFSKCRRCRLCDEGHGLEVEINCT 120

Qy 121 RTQNTKCRCKPNFFCNSTVCBHDPCPKCEHGLIKECTLTSNTKCKREGSRSNLGWLCLL 180
 Db 121 RTQNTKCRCKPNFFCNSTVCBHDPCPKCEHGLIKECTLTSNTKCKREGSRSNLGWLCLL 180

RESULT 9
US-09-665-615B-2

Sequence 2, Application US/09665615B
Patent No. 665133

GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
ASSIGNEE: Marcussen, Eric G.
TITLE OF INVENTION: Antisenesine Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-0502
CURRENT APPLICATION NUMBER: US/09/665, 615B
CURRENT FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 09/290, 640
PRIOR FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 179
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 335
TYPE: PRT
ORGANISM: Homo sapiens
US-09-665-615B-2

Query Match Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match Score 1804; DB 5; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 1 MLGIWTLPLVLTSVARLSSKSYNAQVTDINSKGELRKTVTTVETONLHHDGQFCII 60
Db 1 MLGIWTLPLVLTSVARLSSKSYNAQVTDINSKGELRKTVTTVETONLHHDGQFCII 60

Query 61 KPCPPGERKARDCTVNGDEPDCVPQEGKEYTDKAHPSSKCRCLCDEGHGLEVINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDCVPQEGKEYTDKAHPSSKCRCLCDEGHGLEVINCT 120

Query 61 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180
Db 61 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180

Query 121 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240
Db 121 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240

Query 121 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180

Query 181 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240
Db 181 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240

Query 241 TLSQVKGFVRKNGVNEAKIDEIKNDNQDTABOKVQLRNWHOLGKKEAYDTLKLKK 300
Db 241 TLSQVKGFVRKNGVNEAKIDEIKNDNQDTABOKVQLRNWHOLGKKEAYDTLKLKK 300

RESULT 11
US-09-013-895A-3

Sequence 3, Application US/09013895A
GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Rosen, Craig A.
APPLICANT: Pan, James G.
APPLICANT: Gantz, Reiner L.
APPLICANT: Dixit, Vishva M.
TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death Receptor 4), Member of the TNF-Receptor Superfamily and Binding to trail (AP02-L)
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/013, 895A
FILING DATE: 27-JAN-1998
CLASSIFICATION: SECRETED HUMAN FAS ANTIGEN

RESULT 10
PCT/US95-17083-2

Sequence 2, Application PC/TUS9517083
GENERAL INFORMATION:
APPLICANT: NUMBER OF SEQUENCES: 16
TITLE OF INVENTION: SECRETED HUMAN FAS ANTIGEN

Query Match Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match Score 1804; DB 5; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 1 MLGIWTLPLVLTSVARLSSKSYNAQVTDINSKGELRKTVTTVETONLHHDGQFCII 60
Db 1 MLGIWTLPLVLTSVARLSSKSYNAQVTDINSKGELRKTVTTVETONLHHDGQFCII 60

Query 61 KPCPPGERKARDCTVNGDEPDCVPQEGKEYTDKAHPSSKCRCLCDEGHGLEVINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDCVPQEGKEYTDKAHPSSKCRCLCDEGHGLEVINCT 120

Query 61 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180
Db 61 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180

Query 121 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240
Db 121 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240

Query 121 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCHECDPCTKEHGIIKECTLTSNTKCKEEGSRNSNGLWLCLL 180

Query 181 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240
Db 181 LIPPIPLWVKRKEVKOCTCRKERNQSGHESPTLNPEVAINLSVDLSKYTTTAGM 240

Query 241 TLSQVKGFVRKNGVNEAKIDEIKNDNQDTABOKVQLRNWHOLGKKEAYDTLKLKK 300
Db 241 TLSQVKGFVRKNGVNEAKIDEIKNDNQDTABOKVQLRNWHOLGKKEAYDTLKLKK 300

ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REFERENCE/DOCKET NUMBER: 36,688
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-013-895A-3

Query Match 100.0%; Score 1804; DB 4; Length 669;
 Best Local Similarity 100.0%; Pred. No. 4.9e-160;
 Matches 335; Conservative 0; Mismatches 0; Gaps 0;

QY 1 MLGIVTLLPLVLTSLVARLSSKSVAQVTDINSKGFLERKTVTTVETONLEGILHDGQCH 60
 Db 1 MLGIVTLLPLVLTSLVARLSSKSVAQVTDINSKGFLERKTVTTVETONLEGILHDGQCH 60
 QY 61 KPCPGERKARDCTVNGDEPDCCVPQEGKEYTDKAHFSKIKCRRCRLCDSGHGLVEINCT 120
 Db 61 KPCPGERKARDCTVNGDEPDCCVPQEGKEYTDKAHFSKIKCRRCRLCDSGHGLVEINCT 120
 QY 121 RTQNTKCRCKPNFFCNSTCVCHECDPCTKCEHGIIKECTLTSNTKCKEGRSRSNLGWLCIL 180
 Db 121 RTQNTKCRCKPNFFCNSTCVCHECDPCTKCEHGIIKECTLTSNTKCKEGRSRSNLGWLCIL 180
 QY 181 LLPPIPILWYKPKKEYQTKPKHRKENQSGHESPTLNPEVAINLSDVDSKYITTTAGYM 240
 Db 181 LLPPIPILWYKPKKEYQTKPKHRKENQSGHESPTLNPEVAINLSDVDSKYITTTAGYM 240
 QY 241 TLSQVKGFYRKNGNEAKDEIKNDNVQDAEQYQLRNWHQLGKRAYDTLIKDKK 300
 Db 241 TLSQVKGFYRKNGNEAKDEIKNDNVQDAEQYQLRNWHQLGKRAYDTLIKDKK 300
 QY 301 ANLCTLAKEIQTIIKDTDSSENSNFRNEIQSLV 335
 Db 301 ANLCTLAKEIQTIIKDTDSSENSNFRNEIQSLV 335

RESULT 12
 US-09-446-846-3
 Sequence 3, Application US/09448868
 Patent No. 6461823

GENERAL INFORMATION:
 APPLICANT: Ni, Jian
 APPLICANT: Rosen, Craig A.
 APPLICANT: Pan, James G.
 APPLICANT: Gantz, Reiner L.
 APPLICANT: Dixit, Vishva M.
 TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death Receptor 4), Member of the TNF-Receptor Family and Binding to Trail (AP02-L)
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVENUE
 CITY: ROCKVILLE
 STATE: MD
 COUNTRY: US
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/448,868

FILING DATE: HEREWITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/013,895
 FILING DATE: 27-JAN-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1488-1300004
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-448-868-3

Query Match 100.0%; Score 1804; DB 4; Length 669;
 Best Local Similarity 100.0%; Pred. No. 4.9e-160;
 Matches 335; Conservative 0; Mismatches 0; Gaps 0;

QY 1 MLGIVTLLPLVLTSLVARLSSKSVAQVTDINSKGFLERKTVTTVETONLEGILHDGQCH 60
 Db 1 MLGIVTLLPLVLTSLVARLSSKSVAQVTDINSKGFLERKTVTTVETONLEGILHDGQCH 60
 QY 61 KPCPGERKARDCTVNGDEPDCCVPQEGKEYTDKAHFSKIKCRRCRLCDSGHGLVEINCT 120
 Db 61 KPCPGERKARDCTVNGDEPDCCVPQEGKEYTDKAHFSKIKCRRCRLCDSGHGLVEINCT 120
 QY 121 RTQNTKCRCKPNFFCNSTCVCHECDPCTKCEHGIIKECTLTSNTKCKEGRSRSNLGWLCIL 180
 Db 121 RTQNTKCRCKPNFFCNSTCVCHECDPCTKCEHGIIKECTLTSNTKCKEGRSRSNLGWLCIL 180
 QY 181 LLPPIPILWYKPKKEYQTKPKHRKENQSGHESPTLNPEVAINLSDVDSKYITTTAGYM 240
 Db 181 LLPPIPILWYKPKKEYQTKPKHRKENQSGHESPTLNPEVAINLSDVDSKYITTTAGYM 240
 QY 241 TLSQVKGFYRKNGNEAKDEIKNDNVQDAEQYQLRNWHQLGKRAYDTLIKDKK 300
 Db 241 TLSQVKGFYRKNGNEAKDEIKNDNVQDAEQYQLRNWHQLGKRAYDTLIKDKK 300
 QY 301 ANLCTLAKEIQTIIKDTDSSENSNFRNEIQSLV 335
 Db 301 ANLCTLAKEIQTIIKDTDSSENSNFRNEIQSLV 335

RESULT 13
 US-09-815-469-6
 Sequence 6, Application US/08815469
 Patent No. 6153412

GENERAL INFORMATION:
 APPLICANT: Yu, Guo-Liang
 APPLICANT: Ni, Jian
 APPLICANT: Dixit, Vishva
 APPLICANT: Gantz, Reiner L.
 APPLICANT: Dillon, Patrick J.
 TITLE OF INVENTION: Death Domain Containing Receptors
 NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
 STREET: 1100 New York Ave., NW, Suite 600
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005-3934
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/448,868

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/815,469
 FILING DATE: HEREWITH
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: No. 6153402 Yet Assigned
 FILING DATE: 06-FEB-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/028,711
 FILING DATE: 17-OCT-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/013,285
 FILING DATE: 12-MAR-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Steffe, Eric K.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1488 .0310003 /EKS/KRM
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 335 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: protein
 US-08-815-469-6

Query Match 99.3%; Score 1792; DB 3; Length 335;
 Best Local Similarity 99.7%; Pred. No 2.5e-150; Indels 0; Gaps 0;
 Matches 334; Conservative 0; Mismatches 1;

Qy 1 MIGIWTLLPLVTSVARLSSKSYNAQVTIDNSCKLELKTVTETQNLEGILHDGQFCH 60
 Db 1 MIGIWTLLPLVTSVARLSSKSYNAQVTIDNSCKLELKTVTETQNLEGILHDGQFCH 60

Qy 61 KPCPGGERKARDCTVNGDBDCVPCQEGKEYTDKAHFSKCRCLCDHGQFCH 120
 Db 61 KPCPGGERKARDCTVNGDPPDCVPCQEGKEYTDKAHFSKCRCLCDHGQFCH 120

Qy 121 RTQNTKCRCKPNFFCNSTYCEHCDPCTKCEHGLIKECTLTSNTKCKEBSRSNGLCIL 180
 Db 121 RTQNTKCRCKPNFFCNSTYCEHCDPCTKCEHGLIKECTLTSNTKCKEBSRSNGLCIL 180

Qy 181 LLPIPLIVMKRKEVQKTCRKRKENQSGHESPTLNPEVAINSDVDSKYTTIAGVM 240
 Db 181 LLPIPLIVMKRKEVQKTCRKRKENQSGHESPTLNPEVAINSDVDSKYTTIAGVM 240

Qy 241 TLSQVKGFTRKNGNEAKDEIKNDINVQDABQKVQLRNWHOLHGKEAYDTLIKDKK 300
 Db 241 TLSQVKGFTRKNGNEAKDEIKNDINVQDABQKVQLRNWHOLHGKEAYDTLIKDKK 300

Qy 301 ANLCTLAEKLOTIILKDITSDSENSNFRNEIQSLV 335
 Db 301 ANLCTLAEKLOTIILKDITSDSENSNFRNEIQSLV 335

RESULT 14
 US-09-086-483A-3
 Sequence 3, Application US/09086483A
 Patent No. 6214580

GENERAL INFORMATION:
 APPLICANT: NI, et al.
 TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR TR10
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVENUE
 CITY: ROCKVILLE
 STATE: MD

COUNTRY: US
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/086,483A
 FILING DATE: May-29-98
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/050,936
 FILING DATE: May-30-97
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/069,112
 FILING DATE: Dec-9-97
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: BROOKES, ANDERS A.
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PF379
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 TELEFAX: (301) 309-8439
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 331 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-086-483A-3

Query Match 96.6%; Score 1743; DB 3; Length 331;
 Best Local Similarity 98.8%; Prod. No. 9.2e-155;
 Matches 331; Conservative 0; Mismatches 0; Indels 4; Gaps 4;
 Db 1 MIGIWTLLPLVTSVARLSSKSYNAQVTIDNSCKLELKTVTETQNLEGILHDGQFCH 60
 1 MIGIWTLLPLVTSVARLSSKSYNAQVTIDNSCKLELKTVTETQNLEGILHDGQFCH 59

Qy 61 KPCPGGERKARDCTVNGDPPDCVPCQEGKEYTDKAHFSKCRCLCDHGQFCH 120
 Db 60 -PCPGGERKARDCTVNGDPPDCVPCQEGKEYTDKAHFSKCRCLCDHGQFCH 118

Qy 121 RTQNTKCRCKPNFFCNSTYCEHCDPCTKCEHGLIKECTLTSNTKCKEBSRSNGLCIL 180
 Db 119 RTQNTKCRCKPNFFCNSTYCEHCDPCTKCEHGLIKECTLTSNTKCKEBSRSNGLCIL 177

Qy 181 LLPIPLIVMKRKEVQKTCRKRKENQSGHESPTLNPEVAINSDVDSKYTTIAGVM 240
 Db 178 LLPIPLIVMKRKEVQKTCRKRKENQSGHESPTLNPEVAINSDVDSKYTTIAGVM 237

Qy 241 TLSQVKGFTRKNGNEAKDEIKNDINVQDABQKVQLRNWHOLHGKEAYDTLIKDKK 300
 Db 238 TLSQVKGFTRKNGNEAKDEIKNDINVQDABQKVQLRNWHOLHGKEAYDTLIKDKK 297

Qy 301 ANLCTLAEKLOTIILKDITSDSENSNFRNEIQSLV 335
 Db 298 ANLCTLAEKLOTIILKDITSDSENSNFRNEIQSLV 331

RESULT 15
 US-09-380-212-3
 Sequence 3, Application US/09580212
 Patent No. 650569
 GENERAL INFORMATION:
 APPLICANT: NI, Jian et al.
 TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR10
 FILE REFERENCE: PF379P1
 CURRENT APPLICATION NUMBER: US/09/580,212

CURRENT FILING DATE: 2000-05-26
 i PRIORITY NUMBER: 60/136,786
 i PRIORITY NUMBER: 60/142,563
 i PRIORITY NUMBER: 60/144,023
 i PRIORITY NUMBER: 60/144,023
 i NUMBER OF SEQ ID NOS: 16
 i SOFTWARE: PatentIn Ver. 2.0
 i SEQ ID NO: 3
 i LENGTH: 331
 i TYPE: PRT
 i ORGANISM: Homo sapiens
 US-09-580-212-3

Query Match 96.6%; Score 1743; DB 4; Length 331;
 Best Local Similarity 98.8%; Pred. No. 9 2e-155;
 Matches 331; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

QY	1	MLGIWTLPLVLTSAVLSSKSYNAQVTDINSKGLELRKTVTYVETQNLEGHLHDGQFCH	60
Db	1	MLGIWTLPLVLTSAVLSSKSYNAQVTDINSKGLELRKTV-TVTQNLEGHLHDGQFCH	59
QY	61	KPCPPGERKARDCTVNGDEPCVCPAQEGKEYTDKAHFSKCRRCRLCDEGHGLEVINCT	120
Db	60	-PCPPGERKARDCTVNGDEPCVCPAQEGKEYTDKAHFSKCRRCRLCDEGHGLEVINCT	118
QY	121	RTQNTKCRCKRNFFCNSTVCEHCDPCTKCBGIIKECTLTSNTCKEGRSRNGLWCLL	180
Db	119	RTQNTKCRCKRNFFCNSTVCEHCDPCTKCBGIIKECTLTSNTCKEGRSRN-GWLCLL	177
QY	181	LIPPLIIVWYKRKEYTKRCKRNFKGSHESPTNPETAVAINLSDVDSKYITTAGYM	240
Db	178	LLPIPLVWWRKEVKTCKRCKRNFKGSHESPTNPETAVAINLSDVDSKYITTAGYM	237
QY	241	TLSQVKGFVRKGVNGNEAKIDIKNDNVQDTAEQKVYOLRNWHOLHGKEAYDTLIKDLKK	300
Db	238	TLSQVKGFVRKGVNGNEAKIDIKNDNVQDTAEQKVYOLRNWHOLHGKEAYDTLIKDLKK	297
QY	301	ANLCTLAKEKIQTIILKDTDSSENSNFRNETOSLV	335
Db	298	ANLCTLAKEK-IILKDTDSSENSNFRNETOSLV	331

Search completed: September 28, 2004, 10:56:30
 Job time : 25.2779 secs

Db	RESULT 2	181	LIPPLIIVWKRKEVQTKRKHKGSHRSPTLNPEVAINSPYDLSKYITTTAGVM	240
Qy	US-09-802-669-2	241	TLSQVKGFYRKNGNEAKIDEIKNDVQDPAEKVQLRNWHLHGKKEAYDTLKDJK	300
Qy	Sequence 2, Application US/09802669	241	TLSQVKGFYRKNGNEAKIDEIKNDVQDPAEKVQLRNWHLHGKKEAYDTLKDJK	300
Db	Patent No. US2002004490A1	241	TLSQVKGFYRKNGNEAKIDEIKNDVQDPAEKVQLRNWHLHGKKEAYDTLKDJK	300
Qy	GENERAL INFORMATION:	301	ANLCTLAEKIQTILKDITSSENSNFRNEIQSIV	335
Db	APPLICANT: Dean, Nicholas M.	301	ANLCTLAEKIQTILKDITSSENSNFRNEIQSIV	335
Qy	APPLICANT: Marcussen, Eric G.	301	ANLCTLAEKIQTILKDITSSENSNFRNEIQSIV	335
Db	APPLICANT: Watt, Jacqueline			
Qy	APPLICANT: Zhang, Hong			
Db	TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling			
Qy	FILE REFERENCE: ISPH-545			
Db	CURRENT APPLICATION NUMBER: US/09/802,669			
Qy	CURRENT FILING DATE: 2001-03-09			
Db	PRIOR APPLICATION NUMBER: US 09/665,615			
Qy	PRIOR FILING DATE: 2000-09-18			
Db	PRIOR APPLICATION NUMBER: US 09/290,640			
Qy	PRIOR FILING DATE: 1999-04-12			
Db	NUMBER OF SEQ ID NOS: 180			
Qy	SOFTWARE: PatentIn Ver. 2.0			
Db	SEQ ID NO 2			
Qy	LENGTH: 335			
Db	TYPE: PRT			
Qy	ORGANISM: Homo sapiens			
Db	US-09-802-669-2			
Qy	Query Match 100.0%; Score 1804; DB 9; Length 335;			
Db	Best Local Similarity 100.0%; Pred. No. 1.2e-149; Mismatches 0; Indels 0; Gaps 0			
Qy	Matches 335; Conservative 0; MisMatches 0; InDelS 0; Gaps 0			
Db	MLGIWTLLPLVLTSVARLSSKSVNAQVTDIMSKGLERLKTVTUTYETONLEGLHDGOFCH	60		
Qy	KPCPGGERKARDTIVNGDEPDPCVPCOEGKEYTDKAIFSSKCRRCRLCDCEHGLEVINEINCT	61		
Db	KPCPGGERKARDTIVNGDEPDPCVPCOEGKEYTDKAIFSSKCRRCRLCDCEHGLEVINEINCT	61		
Qy	RTQNTKCRCKPNFCNSTVCEHDCPCTKCEHGIIKECTLTTSNTKCKCEBGSRSNLGMCLL	121		
Db	RTQNTKCRCKPNFCNSTVCEHDCPCTKCEHGIIKECTLTTSNTKCKCEBGSRSNLGMCLL	121		
Qy	RTQNTKCRCKPNFCNSTVCEHDCPCTKCEHGIIKECTLTTSNTKCKCEBGSRSNLGMCLL	121		
Db	RTQNTKCRCKPNFCNSTVCEHDCPCTKCEHGIIKECTLTTSNTKCKCEBGSRSNLGMCLL	121		
Qy	LIPPLIIVWKRKEVQTKRKHKGSHRSPTLNPEVAINSPYDLSKYITTTAGVM	181		
Db	LIPPLIIVWKRKEVQTKRKHKGSHRSPTLNPEVAINSPYDLSKYITTTAGVM	181		
Qy	TLSQVKGFYRKNGNEAKIDEIKNDVQDPAEKVQLRNWHLHGKKEAYDTLKDJK	241		
Db	TLSQVKGFYRKNGNEAKIDEIKNDVQDPAEKVQLRNWHLHGKKEAYDTLKDJK	241		
Qy	ANLCTLAEKIQTILKDITSSENSNFRNEIQSIV	301		
Db	ANLCTLAEKIQTILKDITSSENSNFRNEIQSIV	301		
Qy	ANLCTLAEKIQTILKDITSSENSNFRNEIQSIV	301		
Db	ANLCTLAEKIQTILKDITSSENSNFRNEIQSIV	301		
Qy	RESULTS 3			
Db	US-09-949-713-20			
Qy	Sequence 20, Application US/09949713			
Db	Patent No. US2002004494A1			
Qy	GENERAL INFORMATION:			
Db	APPLICANT: NAKAMURA, No.			
Qy	APPLICANT: NAGATA, Shigekazu			

1 SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-874-138-4

Query Match Score 1804; DB 9; Length 335;
Best Local Similarity 100.0%; Pred. No. 1. 2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSLVARLSSKSVAQYTDINSKGLELRKTVTTVETONLEGHLHDGFC 60
Db 1 MLGIWTLPLVLTSLVARLSSKSVAQYTDINSKGLELRKTVTTVETONLEGHLHDGFC 60

Qy 61 KPCPPGERKARDCTYNGDEPDCVPCOEGKEYTDKAHFSKCRRCRLCDEBHGGLVEINCT 120
Db 61 KPCPPGERKARDCTYNGDEPDCVPCOEGKEYTDKAHFSKCRRCRLCDEBHGGLVEINCT 120

Qy 121 RTQNTKCRCPNFFCNSTVCEHCDPOTCKCHGIIKECTLTSNTCKKEEGRSNLGWLCL 180
Db 121 RTQNTKCRCPNFFCNSTVCEHCDPOTCKCHGIIKECTLTSNTCKKEEGRSNLGWLCL 180

Qy 181 LLP1PLIVWVTRKEYQTKTCRKRKENQGSSESPTLNPETAIINLSDVDLSKYTITLAGM 240
Db 181 LLP1PLIVWVTRKEYQTKTCRKRKENQGSSESPTLNPETAIINLSDVDLSKYTITLAGM 240

Qy 241 TLSQVKGFVRKNGVNEAKIDBEIKNDVNQDQAQKVOLLNNWHOLHGKKEAYDTLKDJKK 300
Db 241 TLSQVKGFVRKNGVNEAKIDBEIKNDVNQDQAQKVOLLNNWHOLHGKKEAYDTLKDJKK 300

Qy 301 ANLCTLAEKQTIIKLKDITSSENSNFRNEIQSLV 335
Db 301 ANLCTLAEKQTIIKLKDITSSENSNFRNEIQSLV 335

RESULT 5
US-09-884-987-2
; Sequence 2, Application US/09884987
; Patent No. US20020102653A1
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu et al
; TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE ANTIGEN
; FILE REFERENCE: 0020-4877P
; CURRENT APPLICATION NUMBER: US/09/884,987
; CURRENT FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-884-987-2

Query Match Score 1804; DB 9; Length 335;
Best Local Similarity 100.0%; Pred. No. 1. 2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSLVARLSSKSVAQYTDINSKGLELRKTVTTVETONLEGHLHDGFC 60
Db 1 MLGIWTLPLVLTSLVARLSSKSVAQYTDINSKGLELRKTVTTVETONLEGHLHDGFC 60

Qy 61 KPCPPGERKARDCTVNGDDEPDCVPCOEGKEYTDKAHFSKCRRCRLCDEBHGGLVEINCT 120
Db 61 KPCPPGERKARDCTVNGDDEPDCVPCOEGKEYTDKAHFSKCRRCRLCDEBHGGLVEINCT 120

Qy 121 RTQNTKCRCPNFFCNSTVCEHCDPCTKCEGSTIKECTLTSNTCKKEEGRSNLGWLCL 180
Db 121 RTQNTKCRCPNFFCNSTVCEHCDPCTKCEGSTIKECTLTSNTCKKEEGRSNLGWLCL 180

Qy 181 LLP1PLIVWVTRKEYQTKTCRKRKENQGSSESPTLNPETAIINLSDVDLSKYTITLAGM 240
Db 181 LLP1PLIVWVTRKEYQTKTCRKRKENQGSSESPTLNPETAIINLSDVDLSKYTITLAGM 240

Qy 241 TLSQVKGFVRKNGVNEAKIDBEIKNDVNQDQAQKVOLLNNWHOLHGKKEAYDTLKDJKK 300
Db 241 TLSQVKGFVRKNGVNEAKIDBEIKNDVNQDQAQKVOLLNNWHOLHGKKEAYDTLKDJKK 300

Query Match Score 1804; DB 9; Length 335;
Best Local Similarity 100.0%; Pred. No. 1. 2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSLVARLSSKSVAQYTDINSKGLELRKTVTTVETONLEGHLHDGFC 60
Db 1 MLGIWTLPLVLTSLVARLSSKSVAQYTDINSKGLELRKTVTTVETONLEGHLHDGFC 60

Qy 61 KPCPPGERKARDCTVNGDDEPDCVPCOEGKEYTDKAHFSKCRRCRLCDEBHGGLVEINCT 120
Db 61 KPCPPGERKARDCTVNGDDEPDCVPCOEGKEYTDKAHFSKCRRCRLCDEBHGGLVEINCT 120

Qy 121 RTQNTKCRCPNFFCNSTVCEHCDPCTKCEGSTIKECTLTSNTCKKEEGRSNLGWLCL 180
Db 121 RTQNTKCRCPNFFCNSTVCEHCDPCTKCEGSTIKECTLTSNTCKKEEGRSNLGWLCL 180

Qy 181 LLP1PLIVWVTRKEYQTKTCRKRKENQGSSESPTLNPETAIINLSDVDLSKYTITLAGM 240
Db 181 LLP1PLIVWVTRKEYQTKTCRKRKENQGSSESPTLNPETAIINLSDVDLSKYTITLAGM 240

Qy 241 TLSQVKGFVRKNGVNEAKIDBEIKNDVNQDQAQKVOLLNNWHOLHGKKEAYDTLKDJKK 300
Db 241 TLSQVKGFVRKNGVNEAKIDBEIKNDVNQDQAQKVOLLNNWHOLHGKKEAYDTLKDJKK 300

us-09-446-634b-22.sep2004.rabp

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Db 241 TLSQYKGFVRKNGNEAKIDEIKNDVQDAAEKVQLLNRWHQHKEAYDTLIKDKK 300
Qy 301 ANLCTLAEKIQTILLKDITSDSENSNPRNEIQSLV 335
Db 301 ANLCTLAEKIQTILLKDITSDSENSNPRNEIQSLV 335

```

RESULT 7

US-10-619-220-2

; Sequence 2, Application US/10619220
; Publication No. US20040033979A1

; APPLICANT: Dean, Nicholas M. G.

; APPLICANT: Marcusson, Eric G.

; APPLICANT: Wyatt, Jacqueline

; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling

; CURRENT APPLICATION NUMBER: US/10/619,220

; CURRENT FILING DATE: 2003-07-14

; PRIOR APPLICATION NUMBER: 09/802,669

; PRIOR FILING DATE: 2001-03-01

; PRIOR APPLICATION NUMBER: US 09/665,615

; PRIOR FILING DATE: 2000-09-18

; PRIOR APPLICATION NUMBER: US 09/290,640

; PRIOR FILING DATE: 1999-04-12

; NUMBER OF SEQ ID NOS: 180

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO: 2

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-619-220-2

Query Match 100.0%; Score 1804; DB 12; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Gaps 0;

US-10-005-842-4

Query Match 100.0%; Score 1804; DB 13; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Gaps 0;

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Query Match 100.0%; Score 1804; DB 14; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 15; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 16; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 17; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 18; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 19; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 20; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 21; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 22; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

Query Match 100.0%; Score 1804; DB 23; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Matches 335; Conservative 0; Mismatches 0; Gaps 0;

RESULT 9

US-10-175-902-3

; Sequence 4, Application US/10005842

; Publication No. US20020098530A1

GENERAL INFORMATION:

APPLICANT: Ni, Jian

Gentz, Reiner

Yu, Guo-Liang

Su, Jeffrey

Publication No. US20030108516A1
 GENERAL INFORMATION:
 APPLICANT: Ni, Jian
 APPLICANT: Rosen, Craig A.
 APPLICANT: Pan, James G.
 APPLICANT: Gentz, Reiner L.
 APPLICANT: Dixit, Vishva M.
 TITLE OF INVENTION: Death Domain Containing Receptor 4
 FILE REFERENCE: 148.1.1300005
 CURRENT APPLICATION NUMBER: US/10/175, 902
 CURRENT FILING DATE: 2002-06-21
 PRIOR APPLICATION NUMBER: 09/565, 918
 PRIOR FILING DATE: 2000-05-05
 PRIOR APPLICATION NUMBER: US 60/132, 922
 PRIOR FILING DATE: 1999-05-06
 PRIOR APPLICATION NUMBER: US 09/013, 895
 PRIOR FILING DATE: 1998-01-27
 PRIOR APPLICATION NUMBER: US 60/037, 829
 PRIOR FILING DATE: 1997-02-05
 PRIOR APPLICATION NUMBER: US 60/035, 722
 PRIOR FILING DATE: 1997-01-28
 NUMBER OF SEQ ID NOS: 13
 SEQ ID NO: 3
 LENGTH: 335
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-175-902-3

Query Match 100.0%; Score 1804; DB 14; Length 335;

Best Local Similarity 100.0%; Pred. No. 1.2e-149;
 Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGELRKTVTTVETONLREGLHHDGQFCH 60
 Db 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGELRKTVTTVETONLREGLHHDGQFCH 60

Qy 61 KPCPGERKARDCTYNGDEPDPCVPQEGKEYDKAHFSSKCCRRCRLCDEGHGLEVEINCT 120
 Db 61 KPCPGERKARDCTYNGDEPDPCVPQEGKEYDKAHFSSKCCRRCRLCDEGHGLEVEINCT 120

Qy 121 RTQNTKCRCKENFFCNSTVCEHCDPCTKCBHGIIKECTLSNTKCKEESRSNGLWLCLL 180
 Db 121 RTQNTKCRCKENFFCNSTVCEHCDPCTKCBHGIIKECTLSNTKCKEESRSNGLWLCLL 180

Qy 121 RTQNTKCRCKENFFCNSTVCEHCDPCTKCBHGIIKECTLSNTKCKEESRSNGLWLCLL 180

Qy 181 LLPIPLIIVWKRKEYQTKCERKHRKENQSHESPTNPETVAINLSDVLSKYTTAGYM 240
 Db 181 LLPIPLIIVWKRKEYQTKCERKHRKENQSHESPTNPETVAINLSDVLSKYTTAGYM 240

Qy 241 TLSQVKGFVRKGYNBEAKDEIKNDVNQDAAQKVQLLNWHOLGKKEAYDTLKDJK 300
 Db 241 TLSQVKGFVRKGYNBEAKDEIKNDVNQDAAQKVQLLNWHOLGKKEAYDTLKDJK 300

Qy 301 ANLCTLAEKQTIIKDITSDSENNSNRFNEIQSLV 335
 Db 301 ANLCTLAEKQTIIKDITSDSENNSNRFNEIQSLV 335

RESULT 11

US-10-418 242 9

; Sequence 9, Application US/10418242
 ; Publication No. US20040013664A1
 ; GENERAL INFORMATION:

; APPLICANT: Gentz et al.

; TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta

; FILE REFERENCE: PPA453

; CURRENT APPLICATION NUMBER: US/10/418, 242

; CURRENT FILING DATE: 2003-04-18

; PRIOR APPLICATION NUMBER: 60/373, 604

; PRIOR FILING DATE: 2002-04-19

; PRIOR APPLICATION NUMBER: 09/935, 727

; PRIOR FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: 60/303, 224

; PRIOR FILING DATE: 2001-07-06

; PRIOR APPLICATION NUMBER: 60/252, 131

; PRIOR FILING DATE: 2000-11-21

; PRIOR APPLICATION NUMBER: 60/227, 598

; PRIOR FILING DATE: 2000-08-25

; PRIOR APPLICATION NUMBER: 09/518, 331

; PRIOR FILING DATE: 2000-03-03

; PRIOR APPLICATION NUMBER: 60/168, 235

; PRIOR FILING DATE: 1999-12-01

; PRIOR APPLICATION NUMBER: 60/146, 371

; PRIOR FILING DATE: 1999-08-02

; PRIOR APPLICATION NUMBER: 60/131, 964

; PRIOR FILING DATE: 1999-04-30

; PRIOR APPLICATION NUMBER: 60/131, 279

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 51

; SEQ ID NO 9

; LENGTH: 335

; TYPE: PRT

; ORGANISM: Homo sapiens

RESULT 10

US-10-186-643-7

; Sequence 7, Application US/10186643

; Publication No. US20030118546A1

; GENERAL INFORMATION:

; APPLICANT: Wei, Ying-Fei

; APPLICANT: Ni, Jian

; APPLICANT: Gentz, Reiner

; APPLICANT: Ruben, Steven

; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5

; FILE REFERENCE: 148.1.1280004

; CURRENT APPLICATION NUMBER: US/10/186, 643

; CURRENT FILING DATE: 2000-07-02

; PRIOR APPLICATION NUMBER: US/09/573, 986

; PRIOR FILING DATE: 2000-05-18

US-10-418-242-9

Query Match 100.0% ; Score 1804; DB 15; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSSVARLSSKSYNAQVTIDNSKGLELRKTVTTVETQNLEGHLHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVARLSSKSYNAQVTIDNSKGLELRKTVTTVETQNLEGHLHDGQFCH 60

Qy 1 MLGIWTLPLVLTSSVARLSSKSYNAQVTIDNSKGLELRKTVTTVETQNLEGHLHDGQFCH 60
Db 1 KPCPPGERKARDCTYNGDEPDCVPCQEGKEYTDKAHFSSKCRRLCDBEGHGLVEINCT 120
Qy 1 KPCPPGERKARDCTYNGDEPDCVPCQEGKEYTDKAHFSSKCRRLCDBEGHGLVEINCT 120
Db 1 KPCPPGERKARDCTYNGDEPDCVPCQEGKEYTDKAHFSSKCRRLCDBEGHGLVEINCT 120

Qy 121 RTQNTKCRCKPNFCNSTVCEHCDPCTKCEHGIKECTLTTSNTCKKEGSRSNLGNWLCLL 180
Db 121 RTQNTKCRCKPNFCNSTVCEHCDPCTKCEHGIKECTLTTSNTCKKEGSRSNLGNWLCLL 180

Qy 121 RTQNTKCRCKPNFCNSTVCEHCDPCTKCEHGIKECTLTTSNTCKKEGSRSNLGNWLCLL 180
Db 121 RTQNTKCRCKPNFCNSTVCEHCDPCTKCEHGIKECTLTTSNTCKKEGSRSNLGNWLCLL 180

Qy 181 LLIPIPLIVWTKRKEYQTKTCKRKENQSHESPTNPETAINLSVDVLSKYTITIAGM 240
Db 181 LLIPIPLIVWTKRKEYQTKTCKRKENQSHESPTNPETAINLSVDVLSKYTITIAGM 240

Qy 181 LLIPIPLIVWTKRKEYQTKTCKRKENQSHESPTNPETAINLSVDVLSKYTITIAGM 240
Db 181 LLIPIPLIVWTKRKEYQTKTCKRKENQSHESPTNPETAINLSVDVLSKYTITIAGM 240

Qy 181 LLIPIPLIVWTKRKEYQTKTCKRKENQSHESPTNPETAINLSVDVLSKYTITIAGM 240
Db 181 LLIPIPLIVWTKRKEYQTKTCKRKENQSHESPTNPETAINLSVDVLSKYTITIAGM 240

Qy 241 TLSQVKGFVRKGVNEAKIDEKDNTQDAAQKVQLIRNWHQLHGKEAYDTLKLKK 300
Db 241 TLSQVKGFVRKGVNEAKIDEKDNTQDAAQKVQLIRNWHQLHGKEAYDTLKLKK 300

Qy 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQLSV 335
Db 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQLSV 335

Qy 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQLSV 335
Db 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQLSV 335

RESULT 13
US-10-74-622-4

; Sequence 4, Application US/10774622
; Publication No. US2004141952A1

; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Genth, Reiner L.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: 1488-1310006
; CURRENT APPLICATION NUMBER: US/10/774,622
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US/09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/1148,939
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/042,583
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; NUMBER OF SEQ ID NO: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-74-622-4

Query Match 100.0% ; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSSVARLSSKSYNAQVTIDNSKGLELRKTVTTVETQNLEGHLHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVARLSSKSYNAQVTIDNSKGLELRKTVTTVETQNLEGHLHDGQFCH 60

Qy 61 KPCPPGERKARDCTYNGDEPDCVPCQEGKEYTDKAHFSSKCRRLCDBEGHGLVEINCT 120
; ORGANISM: human
US-10-648-825-4

Query Match 100.0% ; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;

Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKCRRLCDBEGHGLVEINCT 120

Qy 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLTSNTKCBEGRSRNSNLGWLCLL 180
 Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLTSNTKCBEGRSRNSNLGWLCLL 180

Qy 181 LLPIPLIWWKRKEYQTKTCRKRKENQSHESPTLNPEVAINLSVDLSKYITTAIGVM 240
 Db 181 LLPIPLIWWKRKEYQTKTCRKRKENQSHESPTLNPEVAINLSVDLSKYITTAIGVM 240

Qy 241 TLSQVKGTVRKNGVNEAKIDEIKNDVQDTAQKVOLLRNWHOLHGKKEAYDTLIKDLKK 300
 Db 241 TLSQVKGTVRKNGVNEAKIDEIKNDVQDTAQKVOLLRNWHOLHGKKEAYDTLIKDLKK 300

Qy 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQSLV 335
 Db 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQSLV 335

RESULT 14
 / Sequence 447; Application US/10741601
 / Publication No. US2004016651A1.
 / GENERAL INFORMATION:
 / APPLICANT: CARGILL, Michele et al.
 / TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
 / TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
 / FILE REFERENCE: CLO01500
 CURRENT APPLICATION NUMBER: US/10/741,601
 CURRENT FILING DATE: 2003-12-22
 NUMBER OF SEQ ID NOS: 26415
 SOFTWARE: Fast-SEQ for Windows Version 4.0
 SEQ ID NO: 447
 LENGTH: 335
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-10-741-601-447

Query Match Score 1804; DB 16; Length 335;
 Best Local Similarity 100.0%; Pred. No. 1_2e-149;
 Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MIGIWTLLPLVLTSVARLSSKSVSNAQYDINNSKGLELRKVTTVTQNLEGLHHHDQFCH 60
 Db 1 MIGIWTLLPLVLTSVARLSSKSVSNAQYDINNSKGLELRKVTTVTQNLEGLHHHDQFCH 60
 ; US-10-226-296-3

Query Match Score 1804; DB 14; Length 669;
 Best Local Similarity 100.0%; Pred. No. 2.9e-149;
 Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MIGIWTLLPLVLTSVARLSSKSVSNAQYDINNSKGLELRKVTTVTQNLEGLHHHDQFCH 60
 Db 1 MIGIWTLLPLVLTSVARLSSKSVSNAQYDINNSKGLELRKVTTVTQNLEGLHHHDQFCH 60
 ; US-10-226-296-3

Query Match Score 1804; DB 14; Length 669;
 Best Local Similarity 100.0%; Pred. No. 2.9e-149;
 Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KPCPPGERKARDCTVNGDEPVCVPCOEGKEYTDKFNSKCRCLCDBGHLVEINCT 120
 Db 1 KPCPPGERKARDCTVNGDEPVCVPCOEGKEYTDKAHFSKCRCLCDBGHLVEINCT 120

Qy 121 RTQNTKCRCKENFFCNSTVCEHCDPCTKCEHGIIKECTLTSNTKCBEGRSRNSNLGWLCLL 180
 Db 121 RTQNTKCRCKENFFCNSTVCEHCDPCTKCEHGIIKECTLTSNTKCBEGRSRNSNLGWLCLL 180

Qy 181 LLPIPLIWWKRKEYQTKTCRKRKENQSHESPTLNPEVAINLSVDLSKYITTAIGVM 240
 Db 181 LLPIPLIWWKRKEYQTKTCRKRKENQSHESPTLNPEVAINLSVDLSKYITTAIGVM 240

Qy 241 TLSQVKGTVRKNGVNEAKIDEIKNDVQDTAQKVOLLRNWHOLHGKKEAYDTLIKDLKK 300
 Db 241 TLSQVKGTVRKNGVNEAKIDEIKNDVQDTAQKVOLLRNWHOLHGKKEAYDTLIKDLKK 300

Qy 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQSLV 335
 Db 301 ANLCTLAEKIQTIILKDTDSSENSNFRNEIQSLV 335

RESULT 15
 US-10-226-296-3
 / Sequence 3; Application US/10226296
 / GENERAL INFORMATION:
 / APPLICANT: Ni, Jian
 / ROSEN, Craig A.

Tue Sep 28 15:18:08 2004

us-09-446-634b-22.sep2004.rapb

Page 8

Search completed: September 28, 2004, 11:11:16
Job time : 92.0755 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 28, 2004, 10:40:08 ; Search time 22.7221 Seconds

(without alignments)
742.965 Million cell updates/sec

Title: US-09-446-634B-23

Perfect score: 1804

Sequence: 1 MLWITWAVLPLVLASSLQRVH.....KDLGKSTPDTGNNEGQCLE 327

Scoring table: BLOSUM62

Gapext: 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database : Issued Patents AA:*

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2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:
5: /cgn2_6/ptodata/2/iaa/pc7us_COMB.pep:
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	1804	100.0	327	3	US-09-290-640-66	Sequence 66, Appl
2	1804	100.0	327	4	US-09--665-515B-66	Sequence 66, Appl
3	863.5	47.9	669	4	US-09-013-895A-3	Sequence 3, Appl
4	863.5	47.9	669	4	US-09-448-868-3	Sequence 3, Appl
5	856	47.5	335	2	US-09-219-337B-2	Sequence 2, Appl
6	856	47.5	335	2	US-08-409-338-1	Sequence 1, Appl
7	856	47.5	335	3	US-09-290-640-2	Sequence 2, Appl
8	856	47.5	335	3	US-09-006-353A-7	Sequence 7, Appl
9	856	47.5	335	3	US-08-468-560C-2	Sequence 2, Appl
10	856	47.5	335	4	US-09-180-100-20	Sequence 20, Appl
11	856	47.5	335	4	US-09-565-18-3	Sequence 3, Appl
12	856	47.5	335	4	US-09-573-986-7	Sequence 7, Appl
13	856	47.5	335	4	US-09-565-615B-2	Sequence 2, Appl
14	856	47.5	335	5	PCT-US95-17083-2	Sequence 2, Appl
15	844	46.8	335	3	US-08-815-469-6	Sequence 6, Appl
16	825	45.7	331	3	US-09-064-483A-3	Sequence 3, Appl
17	825	45.7	331	4	US-09-580-212-3	Sequence 3, Appl
18	825	45.7	331	4	US-09-769-402-3	Sequence 3, Appl
19	810.5	44.9	314	1	US-08-4231-19	Sequence 19, Appl
20	810.5	44.9	314	1	US-08-152-443A-19	Sequence 19, Appl
21	810.5	44.9	314	5	PCT-US95-17083-4	Sequence 4, Appl
22	645	35.8	281	4	US-09-527-236A-3	Sequence 3, Appl
23	645	35.8	281	4	US-09-756-854-3	Sequence 3, Appl
24	585	32.4	219	3	US-08-974-022-45	Sequence 45, Appl
25	585	32.4	219	3	US-08-795-447A-45	Sequence 45, Appl
26	585	32.4	219	3	US-08-974-186-45	Sequence 45, Appl
27	585	32.4	219	3	US-08-974-186-45	Sequence 45, Appl

RESULT 2
US-09-665-615B-66

28	585	32.4	219	3	US-08-795-446B-45	Sequence 45, Appl
29	585	32.4	219	4	US-08-796-945D-131	Sequence 131, Appl
30	585	32.4	219	4	US-08-577-788C-45	Sequence 45, Appl
31	523	29.0	167	4	US-08-828-683A-22	Sequence 22, Appl
32	496	27.5	157	4	US-09-180-100-15	Sequence 15, Appl
33	494.5	27.4	144	4	US-09-180-100-23	Sequence 21, Appl
34	494.5	27.4	159	4	US-09-180-100-23	Sequence 23, Appl
35	494.5	27.4	176	4	US-09-180-100-22	Sequence 22, Appl
36	470	26.1	128	4	US-09-180-100-9	Sequence 9, Appl
37	470	26.1	143	4	US-09-180-100-10	Sequence 10, Appl
38	470	26.1	360	4	US-09-180-100-11	Sequence 11, Appl
39	462	25.6	119	4	US-08-828-683A-15	Sequence 15, Appl
40	460	25.5	119	3	US-08-219-237B-3	Sequence 14, Appl
41	460	25.5	119	3	US-08-477-347-7-14	Sequence 14, Appl
42	460	25.5	119	3	US-08-476-862-5	Sequence 5, Appl
43	460	25.5	119	3	US-08-468-560C-3	Sequence 5, Appl
44	460	25.5	119	4	US-09-800-900-5	Sequence 5, Appl
45	460	25.5	119	4	US-09-800-900-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1 US-09-290-640-66	Query Match	100.0%	Score 1804;	DB 3;	Length 327;	
	; Sequence 66, Application US/09290640	0;	Best Local Similarity	100.0%;	Pred. No. 4.6e-158;	
	; Patent No. 6204055	0;	Matches	327;	Mismatches	0;
	; GENERAL INFORMATION:	0;	Indels	0;	Gaps	0;
	; APPLICANT: Dean, Nicholas M.	0;				
	; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling	0;				
	; FILE REFERENCE: ISPH-0351	0;				
	; CURRENT APPLICATION NUMBER: US/09/290,640	0;				
	; CURRENT FILING DATE: 1999-04-12	0;				
	; NUMBER OF SEQ ID NOS: 85	0;				
	; SOFTWARE: PatentIn Ver. 2.0	0;				
	; SEQ ID NO: 66	0;				
	; LENGTH: 327	0;				
	; TYPE: PRT	0;				
	; ORGANISM: Mus musculus	0;				
	US-09-290-640-66	0;				

Sequence 66, Application US/09665615B
 ; Patent No. 6653133
 ; GENERAL INFORMATION:
 ; APPLICANT: Dean, Nicholas M.
 ; APPLICANT: Marcusson, Eric G.
 ; APPLICANT: Nyatt, Jacqueline
 ; TITLE OF INVENTION: Antisense Modulation of Ras Mediated Signaling
 ; FILE REFERENCE: ISPH-0502
 ; CURRENT APPLICATION NUMBER: US/09/665, 615B
 ; CURRENT FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US/09/290, 640
 ; PRIOR FILING DATE: 1999-04-12
 ; NUMBER OF SEQ ID NOS: 179
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 66
 ; LENGTH: 327
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; US-09-665-615B-66

Query Match 100.0%; Score 1804; DB 4; Length 327;
 Best Local Similarity 100.0%; Pred. No. 4 6e-158;
 Matches 327; Conservative 0; Mismatches 0; Gaps 0;

Qy	1	MILWIWALPLVLAGSQLRVRHTQGTNSSESILKRRHETDKNCSEGLYQGSPFCCOPCQ	60
Db	1	MILWIWALPLVLAGSQLRVRHTQGTNSSESILKRRHETDKNCSEGLYQGSPFCCOPCQ	60
Qy	61	PGKKKVEDCKRNGGTPCAPCTEGKEMDNKHYADKCRRLCDDEEGLYEVETNCTQN	120
Db	61	PGKKKVEDCKRNGGTPCAPCTEGKEMDNKHYADKCRRLCDDEEGLYEVETNCTQN	120
Qy	121	TCKCKCPDFYCDSPGCHCVRCASEHOTLEPTATSNCKQSPRNRLWLTILVLLI	180
Db	121	TCKCKCPDFYCDSPGCHCVRCASEHOTLEPTATSNCKQSPRNRLWLTILVLLI	180
Qy	181	PLVFIYKRYKRKCKWKRQDDEPRTSRSRETIPMNASNLSSKXIPRIAEDMTIQEAKF	240
Db	181	PLVFIYKRYKRKCKWKRQDDEPRTSRSRETIPMNASNLSSKXIPRIAEDMTIQEAKF	240
Qy	241	ARENNTKEGKIDELMHDSDQTAAQKVOLLCKWYQSHGSDAYDLIKGLKKAECRTRLD	300
Db	241	ARENNTKEGKIDELMHDSDQTAAQKVOLLCKWYQSHGSDAYDLIKGLKKAECRTRLD	300
Qy	301	KFQDMVKQDLGKSPTDTGNENEGQCLE	327
Db	301	KFQDMVKQDLGKSPTDTGNENEGQCLE	327

RESULT 3 US-09-013-895A-3
 ; Sequence 3, Application US/09013895A
 ; Patent No. 642363
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; APPLICANT: Rosen, Craig A.
 ; APPLICANT: Pan, James G.
 ; APPLICANT: Gentz, Reiner L.
 ; APPLICANT: Dixit, Vishva M.
 ; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death Receptor 4), Member of the TNF-Receptor Superfamily and Binding to Trail (AP02-L)
 ; TITLE OF INVENTION: Receptor 4, Member of the TNF-Receptor Superfamily and Binding to Trail (AP02-L)
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 ; STREET: 9410 KEY WEST AVENUE
 ; CITY: ROCKVILLE
 ; STATE: MD
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/013-895A
 FILING DATE: 27-JAN-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36, 688
 REFERENCE/DOCKET NUMBER: 1488-13000002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Protein
 US-09-013-895A-3

Query Match 47.9%; Score 863.5; DB 4; Length 669;
 Best Local Similarity 49.2%; Pred. No. 4.4e-71;
 Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

Qy	1	MILWIWALPLVLAGSQLRVRHTQGTNSSESILKRRHETDKNCSEGLYQGSPFCC	56
Db	336	MILGIWALPLVLAGSQLRVRHTQGTNSSESILKRRHETDKNCSEGLYQGSPFCC	395
Qy	57	OPOQGKKVVEDCKRNGGTPCAPCTEGKEYMDKHYADKCRRLCDDEEGLYEVETNCT	116
Db	396	KPDPGGERKARDTVNDEPDVCPQEGKEYTDKAESSKCCRCLCDGEHGLEVEINCT	455
Qy	117	LTONTKCKCPDFYCDSPGCHCVRCASEHOTLEPTATSNCKQSPRNRLWLTIL	176
Db	456	RTQNTKCKCPDFYCDSPGCHCVRCASEHOTLEPTATSNCKQSPRNRLWLTILVLLI	515
Qy	177	VLIPIPLVFTYKRYKRKCKWKRQDDEPRTSRSRETIPMNASNLSSKXIPRIAEDMT	233
Db	516	LIPPIPLVFTYKRYKRKCKWKRQDDEPRTSRSRETIPMNASNLSSKXIPRIAEDMT	575
Qy	234	IQAKKFAERNNIKEGKIDELMHDSDQTAAQKVOLLCKWYQSHGSDAYDLIKGLKKA	293
Db	576	LSQVTKGFYRKNGNEAKIDENVNQDTEAQVQVLLRNWHQLGKREAYDTLKD.LKA	635
Qy	294	ECCRFLDKFQDMVKQDLGKSTPTDTGNENEGQCL	326
Db	636	NLCTLAEKITQTLKDTDSENSENFRNEIQL	668

RESULT 4 US-09-446-868-3
 ; Sequence 3, Application US/09448868
 ; Patent No. 6461823
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; APPLICANT: Rosen, Craig A.
 ; APPLICANT: Pan, James G.
 ; APPLICANT: Gentz, Reiner L.
 ; APPLICANT: Dixit, Vishva M.
 ; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death Receptor 4), Member of the TNF-Receptor Superfamily and Binding to Trail (AP02-L)
 ; TITLE OF INVENTION: Receptor 4, Member of the TNF-Receptor Superfamily and Binding to Trail (AP02-L)
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 ; STREET: 9410 KEY WEST AVENUE
 ; CITY: ROCKVILLE
 ; STATE: MD
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/446,868
 FILING DATE: HERWITH
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 09/013,895
 FILING DATE: 27-JAN-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1488.1300004
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEXFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-446-868-3

Query Match Score 863.5; DB 4; Length 669;
 Best Local Similarity 49.2%; Pred. No. 4.4e-71;
 Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

Qy 1 MLWIWAVLPILAG---SOLRVTHTQGTNTNSESISKLRRVHETDKNCSEGLYQGGPFC 56
 Db 336 MLGWTMLLPLVLTVTSLVARLSSKSYNAQVTDINSKGLELRKVTTVETQNJEGLHHDQFPH 395
 Qy 57 QPCPGKKVYEDCKRMNGGTPTCAPTEGEKEYMDKHNHYADKCRRCTLCDEBEGLEVEVNCT 116
 Db 396 KPCPGERAKDCTVNGDFFDCVPCQEKEYDTAHEFSRCCRCLDGHGELEVEVNCT 455
 Qy 117 LTQNTKCKPKDPFDYDSCPOCEHCYTRCASCEHGILEPCATSNINCRKOSPRNLWLTL 176
 Db 456 RTQNTKCRCKPKNFNCNSTYCEHCDPCTKUEHGIKECTTSNTKCKEEGSRNSNLGWLCIL 515
 Qy 177 VLLPLVFTYKVRKCKMQRQDDP--ESRTSSRETIPMNANSLSISKYTPRIADM 232
 Db 516 LLPIPLIVVKRKEVKTCKRKRKENQSGHSPTNPETAINSLDVDLSKYITIAGWT 575
 Qy 234 IQEAKKPKARENNTIKEKGKIDEIMHDSIQDTAEQKQVQLLQWYOSHGSDAYQDLIKGLKK 293
 Db 576 LSQVKGFKRKNGYEAKTIDKNDVQDPAEQKQVQLRWHQEGKKEAYDTLKDJKRA 635
 Qy 294 ECRRTLDFQDMYQKDGLGSTPDTGNNENGQCL 326
 Db 636 NLCLTAAEKQTITLKDIRTSSENSNFRNEIQSL 668

RESULT 5
 US-08-409-33B-1
 Sequence 2, Application US/08219237B
 Patent No. 5874546
 GENERAL INFORMATION:
 APPLICANT: NAGATA, Shigekazu
 APPLICANT: ITOH, Naoto
 APPLICANT: YONERA, Shin
 TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: James W. Hellwege
 STREET: P.O. Box 2266 Eds Station
 CITY: Arlington
 STATE: Virginia
 COUNTRY: USA

RESULT 6
 US-08-409-33B-1
 Sequence 1, Application US/08409338
 Patent No. 5891434
 GENERAL INFORMATION:
 APPLICANT: Krammer, Peter H.
 APPLICANT: Debatin, Klaus Michael
 APPLICANT: Trauth, Bernhard C.
 APPLICANT: Behrmann, Iris
 APPLICANT: Dhein, Jens
 APPLICANT: Klas, Christiane
 APPLICANT: Müller, Peter
 APPLICANT: Falk, Werner
 APPLICANT: Oeh Alexander
 APPLICANT: Daniel, Peter T.
 TITLE OF INVENTION: Monoclonal Antibodies to the APO-1 Antigen
 NUMBER OF SEQUENCES: 1
 CORRESPONDENCE ADDRESS:

Tue Sep 28 15:18:08 2

us-09-446-634b-23.sep2004.ra1

ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington, MA 02173
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/409,338
 FILING DATE:
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/260,644
 FILING DATE: 16-JUN-1994
 APPLICATION NUMBER: US 07/691,016
 FILING DATE: 17-JUN-1991
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Brook, David E.
 REGISTRATION NUMBER: 22,592
 REFERENCE/DOCKET NUMBER: CTR8-9-35A2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617-861-6240
 TELEFAX: 617-861-9540
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 335 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-409-338-1

Query Match 47.5% Score 856; DB 2; Length 871;
 Best Local Similarity 49.4%; Pred. No. 8.7e-11;
 Matches 165; Conservative 54; Mismatches 107; Insertions 0

Query	Subject
QY	1 MMLIWAVLPLVLAG----SQLRVHTQGTNSISSESLKURRYVHE
Db	1 MLGIVTLLPLVLISVARLSSKSVAQTDINSKGGLERKTVTT
Qy	57 QPQGPQKKVKVEDPKANGGTPCTPCTEKEYMDKHYADKCRR
Db	61 KPPPGERKARDCTVNGDEPDPCOQEKEYDTKAHFSKCCR
Qy	117 LTQNTKCKCKPKDPDFCDSPCEHFRVRCASCEHGLBPCSTATNT
Db	121 RTQNTKCKRKPNFFCNSTYCEHCDCPKCEHGIKECTLTSMNT
Qy	177 VLIPLP-VFYRKYRKCKWKRQDDP --ESTTSRRSTIPNN
Db	181 LLPTPLIWWKRREVQKTERKXKENQSHESSTNLINPETVAA
Qy	233 TIQEAKKKPARENNIKEGKLDRIIMHSIDQTAEKDQVLLCWCYC
Db	241 TLSQVTKGFVRKGNEAKDEIDKNDINVQTAEKDQVLLRNHQIC
Qy	293 AECRATLDRKDQWIKQDLGKSTPDTGNNEGCQL 326
Db	301 ANLCTLAEKIQTILKDITSDSENSNFRNEIQSL 334

RESULT 7
 US-09-290-640-2
 Sequence 2, Application US/09290640
 Patent No. 6204055
 GENERAL INFORMATION:
 APPLICANT: Dean, Nicholas M.
 ATTORNEY: Marcussen, Eric G.
 TITLE OF INVENTION: Antisense Compound Modulation of
 FILE REFERENCE: ISPH-0351

INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-006-353A-7

Query Match Score 856; DB 3; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-11;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

Qy 1 MIWIWAVILPLVLAG---SOLRVHTQGTNSISESLKURRYHETDKNCSEGLYQGGPFCC 56
Db 1 MGIWTLPLVLTSAVLSSKSVAQTVTDLNGKLERKTVTVEONLEGHLHDQFCH 60

Qy 57 QPCPGKKVKVEDCKMNGGTPTCAPCTBEGKEYMDKCRRTCLCDEBHGLEVETNCT 116
Db 61 KPCPPGERKARDCTVNGDEPDVCPOFGKEYTDKAHFSKCCRRLCDEBHGLEVETNCT 120

Qy 117 LTQNTCKCKDPFYCDSPGCEHCVRVASCEGTLEPTATNTCRKQSPPRNRLWLTIL 176
Db 121 RTQNTKCRCKENFFCNSTVCEHCDPPTKCEHGIKECTLTSNTKKEEGRSRSNLGMICLL 180

Qy 177 VLIPL-VFLYRKYRKCKWKRQDGP---ESRTSSRETPMNAASNLSKYIPIRAEDM 232
Db 181 LLPIPLIVWYKRKENQTKCRKHKRQNQSHESPTNPETAVNLSDVLSKYTTAGYM 240

Qy 233 TQEAKKFARENNTIKERGKIDTMHDSTQDTAEQKVQLLWMYQSHGKSDAYQDLIKLKK 292
Db 241 TLSQVKGFRVKNGVNNEAKIDEIKNDNVQDTAEQKVQLLWNHQLGKKEAYDLIKLKK 300

Qy 293 AECRTLDFKQDMVQKDGLGSTPDTGNENEGQCL 326
Db 301 ANLCI LAEKQTIIKIDTSSENSNFRNEIQSL 334

RESULT 9
US-08-446-560C-2
Sequence 2, Application US/08466560C
Patent No. 6270998

GENERAL INFORMATION:

APPLICANT: NAGATA, Shin
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE
TITLE OF INVENTION: ANTIGEN
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
STREET: P.O. BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTY: USA
ZIP: 22040-0747

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.3.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468, 560C
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR., GERALD M.
REGISTRATION NUMBER: 28, 977
REFERENCE/DOCKET NUMBER: 20-4393P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-560C-2

Query Match Score 47.5%; Pred. No. 8.7e-71;
Best Local Similarity 49.4%; Mismatches 107; Indels 8; Gaps 3;

Qy 1 MIWIWAVILPLVLAG---SOLRVHTQGTNSISESLKURRYHETDKNCSEGLYQGGPFCC 56
Db 1 MGIWTLPLVLTSAVLSSKSVAQTVTDLNGKLERKTVTVEONLEGHLHDQFCH 60

Qy 57 QPCPGKKVKVEDCKMNGGTPTCAPCTBEGKEYMDKCRRTCLCDEBHGLEVETNCT 116
Db 61 KPCPPGERKARDCTVNGDEPDVCPOFGKEYTDKAHFSKCCRRLCDEBHGLEVETNCT 120

Qy 117 LTQNTCKCKDPFYCDSPGCEHCVRVASCEGTLEPTATNTCRKQSPPRNRLWLTIL 176
Db 121 RTQNTKCRCKENFFCNSTVCEHCDPPTKCEHGIKECTLTSNTKKEEGRSRSNLGMICLL 180

Qy 177 VLIPL-VFLYRKYRKCKWKRQDGP---ESRTSSRETPMNAASNLSKYIPIRAEDM 232
Db 181 LLPIPLIVWYKRKENQTKCRKHKRQNQSHESPTNPETAVNLSDVLSKYTTAGYM 240

Qy 233 TQEAKKFARENNTIKERGKIDTMHDSTQDTAEQKVQLLWMYQSHGKSDAYQDLIKLKK 292
Db 241 TLSQVKGFRVKNGVNNEAKIDEIKNDNVQDTAEQKVQLLWNHQLGKKEAYDLIKLKK 300

Qy 293 AECRTLDFKQDMVQKDGLGSTPDTGNENEGQCL 326
Db 301 ANLCI LAEKQTIIKIDTSSENSNFRNEIQSL 334

RESULT 10

US-09-180-100-20

Sequence 20, Application US/09180100
Patent No. 6306355
GENERAL INFORMATION:
APPLICANT: NAKAMURA, No. 6306395io
APPLICANT: NAGATA, Shige Kazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/180,100
CURRENT FILING DATE: 1998-11-02
EARLIER APPLICATION NUMBER: PCT/JP97/01502
EARLIER FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 20
LENGTH: 335
TYPE: PRT
ORGANISM: Homo sapiens

Query Match Score 47.5%; Pred. No. 8.7e-71;
Best Local Similarity 49.4%; Mismatches 107; Indels 8; Gaps 3;

Qy 1 MIWIWAVILPLVLAG---SOLRVHTQGTNSISESLKURRYHETDKNCSEGLYQGGPFCC 56
Db 1 MGIWTLPLVLTSAVLSSKSVAQTVTDLNGKLERKTVTVEONLEGHLHDQFCH 60

Qy 57 QPCPGKKVKVEDCKMNGGTPTCAPCTBEGKEYMDKCRRTCLCDEBHGLEVETNCT 116
Db 61 KPCPPGERKARDCTVNGDEPDVCPOFGKEYTDKAHFSKCCRRLCDEBHGLEVETNCT 120

Qy 117 LTQNTCKCKDPFYCDSPGCEHCVRVASCEGTLEPTATNTCRKQSPPRNRLWLTIL 176
Db 121 RTQNTKCRCKENFFCNSTVCEHCDPPTKCEHGIKECTLTSNTKKEEGRSRSNLGMICLL 180

Qy	177	VLLPL-VFLYRKYRKCKWKRRODP--ESRTRSETRTPMNASNLQKTYPRIADEM 232
Qy	178	: : : : : : : : : : : : :
Db	181	LLPPIPLIVWYRKREVKQTKRKHRKENQSHESPPTRNPTVAINLSVDLISKYTITIAGVM 240
Qy	182	233 TQEAKKKARENNTKEGKIDEIMHDSIQDTAEOKVQLLWCYQSHGKSDAYDLIKGLKK 292
Db	184	: : : : : : : : : : : : :
Qy	185	241 TLSQVKGFVRKGNEAKIDENQVDTAEOKVQLLWCYQSHGKSDAYDLIKGLKK 300
Db	186	: : : : : : : : : : : : :
Qy	187	293 AECRTTLDKFODMVQKDGLKSTPDTGNENGGCL 326
Db	188	: : : : : : : : : : : : :
Qy	189	301 ANLCTLAEKQTILKDTDSSENSMRNEIQSL 334
Db	190	: : : : : : : : : : : : :
RESULT 11		
US-09-565-918-3		
; Sequence 3, Application US/09565918		
; Patent No. 643147		
; GENERAL INFORMATION:		
;	APPLICANT: Ni, Jian	
;	APPLICANT: Rosen, Craig A.	
;	APPLICANT: Pan, James G.	
;	APPLICANT: Gentz, Reiner L.	
;	APPLICANT: Dixit, Vishva M.	
;	TITLE OF INVENTION: Death Domain Containing Receptor 4	
;	FILE REFERENCE: 1488-1300005	
;	CURRENT APPLICATION NUMBER: US/09/565_918	
;	CURRENT FILING DATE: 2000-05-05	
;	PRIOR APPLICATION NUMBER: US 60/132,922	
;	PRIOR FILING DATE: 1999-05-06	
;	PRIOR APPLICATION NUMBER: US 09/013,895	
;	PRIOR FILING DATE: 1998-01-27	
;	PRIOR APPLICATION NUMBER: US 60/037,829	
;	PRIOR FILING DATE: 1997-02-05	
;	PRIOR APPLICATION NUMBER: US 60/035,722	
;	PRIOR FILING DATE: 1997-01-28	
;	NUMBER OF SEQ ID NOS: 13	
;	SOFTWARE: PatentIn Ver. 2.1	
;	SEQ ID NO: 3	
;	LENGTH: 335	
;	TYPE: PRT	
;	ORGANISM: Homo sapiens	
;	US-09-565-918-3	
Query Match Score 856; DB 4; Length 335;		
Best Local Similarity 49.4%; Pred. No. 8.7e-71; Indels 8; Gaps		
Matches 165; Conservative 54; Mismatches 107;		
Qy	1	MLWIAVPLVLAG---SQRVHTQGTSISIESKLRRHETDKNSQEGLQQGPCC 56
Db	2	1 MLGTVLPLVLTYSVARLSEKSKVNAQVTDINSKGIELRKVTVTETQNLEGHLHDQJCH 60
Qy	3	QPQCQPKKVKEDCRANGGPTCAPTEGKEYMDKHYDKCRTCCLCDBEHGLEVETNCT 11
Db	4	1 MLWIAVPLVLAG---SQRVHTQGTSISIESKLRRHETDKNSQEGLQQGPCC 56
Qy	5	LTQNTKCKCDEFYCDSPGCEHCVRCASCBHGTLPCATATSNTRCKQSPRNRLMLTL 11
Db	6	61 KCPFPGERKARDCTYNGDPECPVCPCQBGREKXTDAKFHSSCRCLCDIGHGIEVETNCT 12
Qy	7	1 MLGTVLPLVLTYSVARLSEKSKVNAQVTDINSKGIELRKVTVTETQNLEGHLHDQJCH 60
Db	8	57 QPCQPKKVKEDCRANGGPTCAPTEGKEYMDKHYDKCRTCCLCDBEHGLEVETNCT 11
Qy	9	1 MLWIAVPLVLAG---SQRVHTQGTSISIESKLRRHETDKNSQEGLQQGPCC 56
Db	10	61 KCPFPGERKARDCTYNGDPECPVCPCQBGREKXTDAKFHSSCRCLCDIGHGIEVETNCT 12
Qy	11	117 LTQNTKCKCDEFYCDSPGCEHCVRCASCBHGTLPCATATSNTRCKQSPRNRLMLTL 11
Db	12	121 RTQNTKCRCKENFCNSTVCEHCDPCKTCHEGIIKECTLTSTSNTCKKEGSRSLNGLWL 18
Qy	13	177 VLLPL-VFLYRKYRKCKWKRRODP--ESRTRSETRTPMNASNLQKTYPRIADEM 2
Db	14	181 LLPPLIVWVKEVKRTRKHRKENQSHESPPTRNPTVAINLSVDLISKYTITIAGVM 2
Qy	15	233 TQEAKKKARENNTKEGKIDEIMHDSIQDTAEOKVQLLWCYQSHGKSDAYDLIKGLKK 2
Db	16	: : : : : : : : : : : : :
Qy	17	241 TLSQVKGFVRKGNEAKIDENQVDTAEOKVQLLWCYQSHGKSDAYDLIKGLKK 3
Db	18	: : : : : : : : : : : : :
Qy	19	293 AECRTTLDKFODMVQKDGLKSTPDTGNENGGCL 326
Db	20	: : : : : : : : : : : : :
Qy	21	301 ANLCTLAEKQTILKDTDSSENSMRNEIQSL 334

US-09-573-986-7 Application US/09573986
; Sequence 7, Application US/09573986
; Patent No. 645540
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Reben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488-128004
; CURRENT APPLICATION NUMBER: US/09/573, 986
; CURRENT FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-573-986-7

Query Match 47.5%; Score 856; DB 4; Length 335
Best Local Similarity 49.4%; Pred. No. 8.7e-71; Mismatches 107; In Matches 165; Conservative 54;

Qy	1	MWIWIAWLPVLAG---SOLRIVHQGNTNSISISSLKRRVHV
Db	1	MGIWTIILPLVLTYSARLSSKSVAQTDINSKGHLERKTVT
Qy	57	QFCOPCGKVKVEDCKNGGTPCAGTCPEKEYMDKRYADKCR
Db	61	KCOPPGKVKARDCTINGDEPDPVCEGKEYDKAFHSSKCR
Qy	117	LTONTKCKCKPKFYCDSPGCBHCVRCASCEHGTLTEPCTATSN
Db	121	RTQNTKCRKPKFFCNSTVCECDPCTKCEHGLIKEETLISM
Qy	177	VLIJPL-WFLMKYRKXCKWKRQDQP--BSARTSRSRETIPM
Db	181	LPIPLIWWKREVKVQTKCRKIRKENGSHEOPTMPBTVAL
Qy	233	TIOBAKEKARENNIKEGKIDEIMHDSDQDTAQKVQLLCWV
Db	241	TSQVKGPVRKSVNEAKIDEXKNDYQDTAQKVQLLWV
Qy	293	AECRRTLKDFOQMVQDQLGKSTPDGTGNENEGCQL 326
Db	301	ANLCTLAERKTIILKDITSSENSNFRNEIQISL 334

RESULT 13
US-09-665-615B-2
; Sequence 2, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcusson, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediation
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665, 615B
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290, 640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-665-615B-2

Query Match 47.5%; Score 856; DB 4; Length 335
Best Local Similarity 49.4%; Pred. No. 8.7e-71;

Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3; Query 1 MIWIAVPLVLAG---SOLRVTQGTSISSESLLKLRREVHETDKNCSEGLYQGPCC 56
Db 1 MLGIWTLPLVLTSTVARLSSKSVMQAQTDINSKGLELRKTVTTVETQNLEGHHHDQFCH 60
Db 57 QPCQGKKVVEDCKNGGTPCAPTEGKEIMDKHAYDKCRCTLDDEBHGLEYETNCT 116
Db 61 KPCPPGERKARDTVCNTDPEPDYCPQEGKEYTDKAFTSKERCRCLDEBHGLEYEINCT 120
Db 117 LTQNTKCKKCPDFYCDSPGEHCVRCAASCHEGTLPECTATSNTNCRKQSPRNRLWLTIL 176
Db 121 RTQNTKCKKENFFCNSTVCBHDPECTKCHGIRKTECTTSNTCKKEGSNSNLGMCLL 180
Query 117 VLIPL-VFIYKVKRKCMKQRDDP--ESRTSSBETIMMASNLSSKYPIRAEDM 232
Db 181 LLPIPLTWVWRKEVTKTCRKRKENQGSHESPNTNPETAVAINLSVDLSKXITIAGM 240
Query 233 TQEAKKFAARENNEKGGKIDELMHDSDQTAEQKVOLLCKWYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGFVTKNGVNEAKIDEKDNDVQDTAEQKVQLRNMHQLEHKKEADTLLKDKKK 300
Db 301 ANLCTLAEKQTILKDITSDSENSNFRNEIQLS 334

RESULT 14
Sequence 2, Application PC/TUS9517083-2
GENERAL INFORMATION:
APPLICANT: SECRETED HUMAN FAS ANTIGEN
NUMBER OF SEQUENCES: 16
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/17083
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/371,263
FILING DATE: 23-DEC-1994
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US95-17083-2

Query Match 47.5%; Score 856; DB 5; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

Query 1 MIWIAVPLVLAG---SOLRVTQGTSISSESLLKLRREVHETDKNCSEGLYQGPCC 56
Db 1 MLGIWTLPLVLTSTVARLSSKSVMQAQTDINSKGLELRKTVTTVETQNLEGHHHDQFCH 60
Db 57 QPCQGKKVVEDCKNGGTPCAPTEGKEIMDKHAYDKCRCTLDDEBHGLEYETNCT 116
Db 61 KPCPPGERKARDTVCNTDPEPDYCPQEGKEYTDKAFTSKERCRCLDEBHGLEYEINCT 120
Db 117 LTQNTKCKKCPDFYCDSPGEHCVRCAASCHEGTLPECTATSNTNCRKQSPRNRLWLTIL 176
Db 121 RTQNTKCKKENFFCNSTVCBHDPECTKCHGIRKTECTTSNTCKKEGSNSNLGMCLL 180
Query 117 VLIPL-VFIYKVKRKCMKQRDDP--ESRTSSBETIMMASNLSSKYPIRAEDM 232
Db 181 LLPIPLTWVWRKEVTKTCRKRKENQGSHESPNTNPETAVAINLSVDLSKXITIAGM 240
Query 233 TQEAKKFAARENNEKGGKIDELMHDSDQTAEQKVOLLCKWYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGFVTKNGVNEAKIDEKDNDVQDTAEQKVQLRNMHQLEHKKEADTLLKDKKK 300
Query 293 AECRTTLDKFQDMVKQDLGKSTPDTGNENEGQL 326

RESULT 15
Sequence 6, Application US/08815469
Patent No. 6153402
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Ni, Jian
APPLICANT: Dixit, Vishva
APPLICANT: Geintz, Reiner L.
APPLICANT: Dillon, Patrick J.
APPLICANT: TITLE OF INVENTION: Death Domain Containing Receptors
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterns, Kessler, Goldstein & Fox, P.L.L.C.
STREET: 1100 New York Ave., NW, Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0., Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,469
FILING DATE: HEREWITH
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: No. 6153402 Yet Assigned
FILING DATE: 06-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,711
FILING DATE: 17-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/013,285
FILING DATE: 12-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REGISTRATION/DOCKET NUMBER: 1498-03100003/EKS/KRM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
STRANDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: protein
US-08-815-469-6

Query Match 46.8%; Score 844; DB 3; Length 335;
Best Local Similarity 49.1%; Pred. No. 1.1e-69;
Matches 164; Conservative 54; Mismatches 108; Indels 8; Gaps 3;

Query 1 MLWIWAVPLVLAG---SQLRVTQGTSISSESLLKLRREVHETDKNCSEGLYQGPCC 56
Db 1 MLGIWTLPLVLTSTVARLSSKSVMQAQTDINSKGLELRKTVTTVETQNLEGHHHDQFCH 60
Query 57 QPCQGKKVVEDCKNGGTPCAPTEGKEIMDKHAYDKCRCTLDDEBHGLEYETNCT 116
Db 61 KPCPPGERKARDTVCNTDPEPDYCPQEGKEYTDKAFTSKERCRCLDEBHGLEYEINCT 120
Db 117 LTQNTKCKKCPDFYCDSPGEHCVRCAASCHEGTLPECTATSNTNCRKQSPRNRLWLTIL 176
Db 121 RTQNTKCKKENFFCNSTVCBHDPECTKCHGIRKTECTTSNTCKKEGSNSNLGMCLL 180
Query 117 VLIPL-VFIYKVKRKCMKQRDDP--ESRTSSBETIMMASNLSSKYPIRAEDM 232
Db 181 LLPIPLTWVWRKEVTKTCRKRKENQGSHESPNTNPETAVAINLSVDLSKXITIAGM 240
Query 233 TQEAKKFAARENNEKGGKIDELMHDSDQTAEQKVOLLCKWYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGFVTKNGVNEAKIDEKDNDVQDTAEQKVQLRNMHQLEHKKEADTLLKDKKK 300
Query 293 AECRTTLDKFQDMVKQDLGKSTPDTGNENEGQL 326

QY	177	VLLIPL-VPIYRKYRKCKWKRQDDP--ESRTSSETIPNNASNLSSKYPRAEDM	232
Db	181	LLPPLIIVWVKKRKEVQTKTCKHRENQGSHESPNTPNTVAVNLDVDSLKTTAGVM	240
QY	233	TIEPAKKFEEENNNEKEDEIMFSDIQTAEOKVQOLLCLWYOSHGKSDAYQDLIKGLKK	292
Db	241	TLSQYKGFYVKNGNEAKIDEKNDVYQDTAEOKVQLLRRNWHOLHGKKEAYDTLKDILKK	300
QY	293	AECRTKLDFEQDMYWORDLGKSTPTDGNGNEQCL	326
Db	291	TYATCCTTATPPTOMTLYKTDNSPSNPNFNETOSI	334

Search completed: September 28, 2004, 10:56:31
Job time : 23:7221 secs

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OM protein - protein search, using sw model

Run on: September 28, 2004, 10:52:43 (without alignments)
1195.909 Million cell updates/sec

Title: US-09-446-634B-23
Perfect score: 1804
Sequence: 1 MLWIWAVIPLVLAGSQLRVH.....KDLGKSTPDTGNENEGQCLE 327

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post processing: Minimum Match 100%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:
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 2: /cgmn_6_ptodata/1/pubpaas/us07_pubcomb.pep:
 3: /cgmn_6_ptodata/1/pubpaas/us06_new_pub_pep:
 4: /cgmn_6_ptodata/1/pubpaas/us06_pubcomb.pep:
 5: /cgmn_6_ptodata/1/pubpaas/us05_pub:
 6: /cgmn_6_ptodata/1/pubpaas/pctus_pubcomb.pep:
 7: /cgmn_6_ptodata/1/pubpaas/us08_new_pub_pep:
 8: /cgmn_6_ptodata/1/pubpaas/us08_pubcomb.pep:
 9: /cgmn_6_ptodata/1/pubpaas/us09_pubcomb.pep:
 10: /cgmn_6_ptodata/1/pubpaas/us09b_pubcomb.pep:
 11: /cgmn_6_ptodata/1/pubpaas/us09c_pubcomb.pep:
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 14: /cgmn_6_ptodata/1/pubpaas/us10b_pubcomb.pep:
 15: /cgmn_6_ptodata/1/pubpaas/us10c_pubcomb.pep:
 16: /cgmn_6_ptodata/1/pubpaas/us10_new_pub_pep:
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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	1804	100.0	327	9	US-09-802-669-66	Sequence 66, Appl
2	1804	100.0	327	12	US-10-619-220-66	Sequence 66, Appl
3	1351	74.9	242	14	US-10-193-616-9	Sequence 66, Appl
4	1166	64.6	204	9	US-09-948-018-18	Sequence 9, Appl
5	863.5	47.9	669	14	US-10-226-296-3	Sequence 18, Appl
6	863.5	47.9	669	14	US-10-222-318-3	Sequence 3, Appl
7	863.5	47.9	669	16	US-10-648-786-3	Sequence 3, Appl
8	856	47.5	335	9	US-09-826-212-7	Sequence 7, Appl
9	856	47.5	335	9	US-09-802-669-2	Sequence 2, Appl
10	856	47.5	335	9	US-09-948-713-20	Sequence 20, Appl
11	856	47.5	335	9	US-09-874-138-4	Sequence 4, Appl
12	856	47.5	335	9	US-09-884-987-2	Sequence 2, Appl
13	856	47.5	335	9	US-09-935-727-9	Sequence 9, Appl
14	856	47.5	335	12	US-10-619-220-2	Sequence 2, Appl
15	856	47.5	335	13	US-10-005-842-4	Sequence 4, Appl

Sequence 3, Appl
Sequence 7, Appl
Sequence 9, Appl
Sequence 4, Appl
Sequence 4, Appl
Sequence 447, Appl
Sequence 6, Appl
Sequence 6, Appl
Sequence 6, Appl
Sequence 6, Appl
Sequence 446, Appl
Sequence 3, Appl
Sequence 15, Appl
Sequence 451, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 128, App
Sequence 449, App
Sequence 22, App
Sequence 960, App

ALIGNMENTS

RESULT 1
US-09-802-669-66
; Sequence 66, Application US/09802669
; Patent No. US200000044901
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; MARCUSSEN, Eric G.
; APPLICANT: Wyant, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 66
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-802-669-66

Query Match Best Local Similarity 100.0%; Score 1804; DB 9; Length 327;
Matches 327, Conservative 100.0%; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLNWIWAVIPLVLAGSQLRVTGNTSSESILKRRVHTEDDKNCSEGLYOGGPFCQCPCQ 60
Db 1 MLNWIWAVIPLVLAGSQLRVTGNTSSESILKRRVHTEDDKNCSEGLYOGGPFCQCPCQ 60

61 PGKKKVEDCKNGSTPTCAPTEGKEMDKNEYADKCRCLDEEHLLEVTCITQN 120
61 PGKKKVEDCKNGGTPTCAPTEGKEMDKHYADKCRCLCDEEHLLEVTCITQN 120

QY

Db	121	TKCKRKEDFYCDSPGCHCVRASCHGTLBCTATNTNCRKQSPRNRLWLTIVLILI	180
Qy	181	PLVFIYKRYRKCKWKRQDDPESRTSSRETPMNASNLSSKYIPRIADEMTIQEAKKF	240
Db	181	PLVFIYKRYRKCKWKRQDDPESRTSSRETPMNASNLSSKYIPRIADEMTIQEAKKF	240
Db	241	ARENNIKEKGKIDEMHSDTQDTAQKVQLLCMYQSHGSKSDAYDLIKGLKKAECRRTLD	300
Qy	241	ARENNIKEKGKIDEMHSDTQDTAQKVQLLCMYQSHGSKSDAYDLIKGLKKAECRRTLD	300
Db	301	KFQDMVQKDGLGKSTPDGMENEGCQLE	327
Qy	301	KFQDMVQKDGLGKSTPDGMENEGCQLE	327
Db	301	KFQDMVQKDGLGKSTPDGMENEGCQLE	327
RESULT 2			
US-10-619-220-66			
; Sequence 66, Application US/10619220			
; Publication No. US20040033979A1			
; GENERAL INFORMATION:			
; APPLICANT: Dean, Nicholas M.			
; APPLICANT: Marcusson, Eric G.			
; APPLICANT: Wyat, Jacqueline			
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling			
; CURRENT APPLICATION NUMBER: US/10/619,220			
; CURRENT FILING DATE: 2003-07-14			
; PRIOR APPLICATION NUMBER: 09/302,669			
; PRIOR FILING DATE: 2001-03-01			
; PRIOR APPLICATION NUMBER: US 09/665,615			
; PRIOR FILING DATE: 2000-05-18			
; PRIOR APPLICATION NUMBER: US 09/290,640			
; PRIOR FILING DATE: 1999-04-12			
; NUMBER OF SEQ ID NOS: 180			
; SOFTWARE: PatentIn Ver. 2.0			
; SEQ ID NO: 66			
; LENGTH: 327			
; TYPE: PRT			
; ORGANISM: Mus musculus			
; US-10-619-220-66			
Query Match Score 1804; DB 12; Length 327;			
Best Local Similarity 100.0%; Pred. No. 3.9e-146;			
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0			
Qy	1	MWIWIAVLPVLAGSQRVHTGTTNSTSESLKLRVRYTHETDKNCSEGLYQGPFCQCQ	60
Db	1	MWIWIAVLPVLAGSQRVHTGTTNSTSESLKLRVRYTHETDKNCSEGLYQGPFCQCQ	60
Qy	61	PGKKYEDCKONGGTPCACTPEGKEYMDKNHYADKCRRCILCDEEGLEVETNCTLQN	120
Db	61	PGKKYEDCKONGGTPCACTPEGKEYMDKNHYADKCRRCILCDEEGLEVETNCTLQN	120
Qy	121	TKCKRKEDFYCDSPGCHCVRASCEHGTLEPTATNTNCRKQSPRNRLWLTIVLILI	180
Db	121	TKCKRKEDFYCDSPGCHCVRASCEHGTLEPTATNTNCRKQSPRNRLWLTIVLILI	180
Qy	181	PLVFIYKRYRKCKWKRQDDPESRTSSRETIPMNASNLSSKYIPRIADEMTIQEAKKF	240
Db	181	PLVFIYKRYRKCKWKRQDDPESRTSSRETIPMNASNLSSKYIPRIADEMTIQEAKKF	240
Qy	241	ARENNIKEKGKIDEMHSDTQDTAQKVQLLCMYQSHGSKSDAYDLIKGLKKAECRRTLD	300
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Qy	301	KFQDMVQKDGLGKSTPDGMENEGCQLE	327
Db	301	KFQDMVQKDGLGKSTPDGMENEGCQLE	327

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US-10-193-616-9 ; Sequence 9, Application US/10193616
; Publication No. US20030096355A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Ke
; TITLE OF INVENTION: Isolation, Ide
; TITLE OF INVENTION: ymk25, a nove
; MEMBER OF THE
; FILE REFERENCE: 01017/35551A
; CURRENT APPLICATION NUMBER: US/10/
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: US/09/61
; PRIORITY FILING DATE: 2000-07-07
; PRIORITY FILING DATE: 1999-07-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: Fasta
US-10-193-616-9

Query Match 74.9% ; Scc
Best Local Similarity 100.0%; Pr
Matches 242; Conservative 0;
Db 1 MLWIVAWIPLVLAGSQLRVRHTQO
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Qy 61 PGKKVEDCKMNGGTTPTCAPCTT
Db 61 PGKKVEDCKMNGGTTPTCAPCTT
Qy 121 TKCKCKPDPYCDSPGCEHCVRC
Db 121 TKCKCKPDPYCDSPGCEHCVRC
Qy 181 PLVFTYRKYRKCKMWRQDDP
Db 181 PLVFTYRKYRKCKMWRQDDP
Qy 241 AR 242
Db 241 AR 242

RESULT4
US-09-948-018-18 ; Sequence 18, Application US/099480
; Patent No. US20020150977A1
; GENERAL INFORMATION:
; APPLICANT: Neill et al
; TITLE OF INVENTION: RECEPTOR-
; FILE REFERENCE: 01017/37677
; CURRENT APPLICATION NUMBER: US/09
; CURRENT FILING DATE: 2001-09-05
; PRIORITY FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 204
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-948-018-18

Query Match 64.6%; Scc
Best Local Similarity 100.0%; Pr
Matches 204; Conservative 0;

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Qy 1 MIWIWAVLPLVLAGSOLRVTQGTNSTSESILKLRRVHETDKNCSEGLYQGGPCCQQPCQ 60
 Db 1 MIWIWAVLPLVLAGSOLRVTQGTNSTSESILKLRRVHETDKNCSEGLYQGGPCCQQPCQ 60

Qy 61 PGKKVVEDCKNNGGTPCACPTEGKEYMDKHYADKCRCRCLCDDEBHGLEYETNCLTQN 120
 Db 61 PGKKVVEDCKNNGGTPCACPTEGKEYMDKHYADKCRCRCLCDDEBHGLEYETNCLTQN 120

Qy 121 TKCKCKPDPFYCDSPGEBHCVRCASCEHGITLEPCTATSNTCRKSPRNRLMLTIVLLI 180
 Db 121 TKCKCKPDPFYCDSPGEBHCVRCASCEHGITLEPCTATSNTCRKSPRNRLMLTIVLLI 180

Qy 181 PLVFTYRKYRKCKWKRRQDDPES 204
 Db 181 PLVFTYRKYRKCKWKRRQDDPES 204

RESULT 5
 ; Sequence 3, Application US/10226296-3
 ; Publication No. US 03/036168A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; Rosen, Craig A.
 ; Pan, James G.
 ; Gentz, Reiner L.
 ; Dixit, Vishva M.

TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4 : Death Receptor 4), Member of the TNF-Receptor Superfamily and Binding to Trail (AP02-L)

NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVENUE
 CITY: ROCKVILLE
 STATE: MD
 COUNTRY: US
 ZIP: 20850

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/226,296
 FILING DATE: 23-Aug-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/448,868
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36,688
 REFERENCE DOCKET NUMBER: 1488.1300004

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-5540

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 3 :

US/10-226-296-3
 Query Match 47.9%; Score 863.5; DB 14; Length 669;
 Best Local Similarity 49.2%; Pred. No. 3.5e-65;
 Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

Qy 1 MIWIWAVLPLVLAGSOLRVTQGTNSTSESILKLRRVHETDKNCSEGLYQGGPCC 56
 Db 336 MLGIVNTLPLVLTSTYARLSKSKSYAQTDINSKGELRLKTVTTVETQNLEGLHHDGQPC 395

Qy 57 QPCQPSGRKKVVEDCKNNGGTPCACPTEGKEYMDKHYADKCRCRCLCDDEBHGLEYETNCLTQN 116
 Db 396 KPCPPGERKARDCTVNGDPEDCVCPDQEGKTYTDKAHSKCRCLCDDEBHGLEYETNCLTQN 455

Qy 117 LTQNTPCKCKPDPFYCDSPGEBHCVRCASCEHGITLEPCTATSNTCRKSPRNRLMLTIVLLI 176
 Db 456 RTQNPKCRCKENFFNFSNTVCEHCDPTCKCHGIIIGCTLSNTKCKEGRSRSLNGLWLCLL 515

Qy 177 VLLIPPLVFTYRKYRKCKWKRRQDDPES --ESRTSSRETIPMNASNLSKSYIPRAEDMT 233
 Db 516 LLPPIPLIVVRKKEVKQTKCRKHKENQSHESPTNLVETPAVAINLSVDYLSKSYITLAGVMT 575

Qy 234 IQEAKKFARENNIKGKIDEIMHDSDQTAEQKVOLLCLWQSHGSKSDAYQDLIKLGKLLKA 576 LSQVGFVVKNGVNNAKIDELKNDWQDTAEQKVQLLNWQHLHGKEAVDTLKLKA 635

Db 294 ECRRLDKFDQDMVOQKDLGKSTPDGENNEGQCL 326
 Db 636 NLCTLAEKIQTILKDTDSSENSNERNEIQSL 668

RESULT 6
 US-10-226-318-3
 ; Sequence 3, Application US/10226318
 ; Publication No. US 2003/007318A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; Rosen, Craig A.
 ; Pan, James G.
 ; Gentz, Reiner L.
 ; Dixit, Vishva M.

TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4 : Death Receptor 4), Member of the TNF-Receptor Superfamily and Binding to Trail (AP02-L)

NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESS: HUMAN GENOME SCIENCES, INC.
 STREET: 9410 KEY WEST AVENUE
 CITY: ROCKVILLE
 STATE: MD
 COUNTRY: US
 ZIP: 20850

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/226,296
 FILING DATE: 23-Aug-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/013,895
 FILING DATE: 27-JAN-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36,688
 REFERENCE DOCKET NUMBER: 1488.1300004

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-5540

INFORMATION FOR SEQ ID NUMBER: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 3 :

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single

TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 3 :
 US-10-226-318-3

Query Match 47.9%; Score 863.5; DB 14; Length 669;
 Best Local Similarity 49.2%; Pred. No. 3.5e-65;
 Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIVAVLPLVLAG---SQLRVHTQGNSISESLKLRVRRVHETDKNCSEGLYQGGPFCC 56
 DB 336 MLGWTLLPLVLTSVARLSSKSNTAQVTDINSKGELRLRTVTETQNLEGHLHDGQFCH 395

QY 57 QPCPGKKVKVEDCKMNGGTPCAPTEKEYMDRNHYADKCRRTCLDEBHGLEVETNCT 116
 DB 396 KPCPGGERKARDCTVNGDPEDCVCPQEGKEYTDKAHFSKCRRCRCLDEBHGLEVETNCT 455

QY 117 LTQNTKCKCKPDEYCDSPSGEHCYRCASCEHGTLIEPTATTSNTNCRKOSPRNRMLLTIL 176
 DB 456 RTQNTKCRCPNPFCNSTVCEHCDCTKCEHGKIKECTLSNTCKKEEGRSNSNLGWLCLL 515

QY 177 VLIPIAVFVYRYRKRKCKWKRQDDP--ESRTSSRETIPMNASNLSKYKPRIAEDMT 233
 DB 516 LLPIPLIIVRKKEYQKTCRHRKMKQGSHESPPLNPETAVINLSDYDLSXYTTAGVMT 575

QY 576 LSQVKGFVRKNGVNEAKIDEIKNDWVQDTAEQKYLQRNWQHIGKKEAYDTLKLKDKEA 635

QY 234 IQBAAKFARENNNIKEGKIDEMHSIDTAEOKVOLLCKYOSHGKSDAYQDLIKLKKKA 293
 DB 576 LSQVKGFVRKNGVNEAKIDEIKNDWVQDTAEQKVLNWHQLHGRKEAYDTLKLKDKEA 635

QY 294 ECRRLDKEQDMVQDLGKSTPDTCNENEGQCL 326
 DB 636 NLCTLAEKQTILKDITSDSENSNFRNEIQSL 668

RESULT 8
 US-09-826-212-7

; Sequence 7, Application US/09826212
 ; Patent No. US20010021516A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Ying-Fei
 ; APPLICANT: Gentz, Reiner
 ; APPLICANT: Ruben, Steven
 ; APPLICANT: Ni, Jian
 ; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
 ; FILE REFERENCE: 1488-1280006
 ; CURRENT APPLICATION NUMBER: US/09/826,212
 ; CURRENT FILING DATE: 2001-04-05
 ; NUMBER OF SEQ ID NOS: 26
 ; SEQ ID NO 7
 ; SOFTWARE: PatentIn version 3.0
 ; LENGTH: 335
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-826-212-7

Query Match 47.5%; Score 856; DB 9; Length 335;
 Best Local Similarity 49.4%; Pred. No. 6.5e-65;
 Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLWIVAVLPLVLAG---SQLRVHTQGNSISESLKLRVRRVHETDKNCSEGLYQGGPFCC 56
 DB 1 MLGWTLLPLVLTSVARLSSKSNTAQVTDINSGLELRKTVTETQNLEGHLHDGQFCH 60

QY 57 QPCPGKKVKVEDCKMNGGTPCAPTEKEYMDRNHYADKCRRTCLDEBHGLEVETNCT 116
 DB 61 KPCPGGERKARDCTVNGDPEDCVCPQEGKEYTDKAHFSKCRRCRCLDEBHGLEVETNCT 120

QY 117 LTQNTKCKCKPDEYCDSPSGEHCYRCASCEHGTLIEPTATTSNTNCRKOSPRNRMLLTIL 176
 DB 121 RTQNTKCRCPNPFCNSTVCEHCDCTKCEHGKIKECTLSNTCKKEEGRSNSNLGWLCLL 180

QY 177 VLIPIAVFVYRYRKRKCKWKRQDDP--ESRTSSRETIPMNASNLSKYKPRIAEDMT 232
 DB 181 LLPIPLIIVRKKEYQKTCRHRKMKQGSHESPPLNPETAVINLSDYDLSXYTTAGVMT 240

QY 233 TIOBAKKFARENNNIKEGKIDEMHSIDTAEOKVOLLCKYOSHGKSDAYQDLIKLKK 292
 DB 241 TLSQVKGFVRKNGVNEAKIDEIKNDWVQDTAEQKYLQRNWQHIGKKEAYDTLKLKDKEA 300

QY 293 AECRTLDKEQDMVQDLGKSTPDTCNENEGQCL 326
 ; Sequence 3, Application US/10648786
 ; Publication No. US20040136950A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; APPLICANT: Rosen, Craig A
 ; APPLICANT: Pan, James G
 ; APPLICANT: Gentz, Reiner L
 ; APPLICANT: Dixit, Vishva M
 ; TITLE: Death Domain Containing Receptor-4
 ; FILE REFERENCE: PF3-5P2
 ; CURRENT APPLICATION NUMBER: US/10/648,786
 ; CURRENT FILING DATE: 2003-08-27
 ; PRIOR APPLICATION NUMBER: 60/035,722
 ; PRIOR FILING DATE: 1997-01-28
 ; PRIOR APPLICATION NUMBER: 60/037,829
 ; PRIOR FILING DATE: 1997-02-05
 ; PRIOR APPLICATION NUMBER: 09/013,895
 ; PRIOR FILING DATE: 1998-01-27
 ; PRIOR APPLICATION NUMBER: 60/132,922
 ; PRIOR FILING DATE: 1999-05-06
 ; PRIOR APPLICATION NUMBER: 09/565,918
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: 60/406,922
 ; PRIOR FILING DATE: 2002-08-30
 ; PRIOR APPLICATION NUMBER: 60/413,861
 ; PRIOR FILING DATE: 2002-09-27
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 3
 ; LENGTH: 669
 ; TYPE: PRT
 ; ORGANISM: human
 ; US-10-648-786-3

Query Match 47.2%; Score 863.5; DB 16; Length 669;
 Best Local Similarity 49.2%; Pred. No. 3.5e-65;
 Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

301 ANI CTI LAEK TOT III KDTIS DSENS NERNEIOSH 334

SOFTWARE: PatentIn Ver. 2.0

Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
 Qy 1 MLWIAVILPILAG--SOLRVIHTQTSISESLKLRRYHETDKNCSEGLYQGGFCC 56
 Db 1 MLGIVTLLPLVLTSTVARLSSKSVAQYTDNSKGLELRKTVTTVEQNLEIGHHDQFCH 60
 Qy 57 QPCPQPKKKVEDCRNGGTPTCAPTCGKEYMDKRNHYADKGCRCTLCDEBHGLEYEVNTCT 116
 Db 61 KPCPPGERKARCTDVTGDPVCPOGKEYTDKAHSSKCRCLCDEBHGLEYEVNTCT 120
 Qy 117 LTQNTKCKCPDFYCDSPGCEHCVRCASEHGTPECTATNTNCRKQSPPNRLWLTIL 176
 Db 121 RTQNTKCRCKPNFFCNSTVCHECDPTKCEBGLIKECTLTSNTCKEGRSNLGWLCLL 180
 Qy 177 VLIPL-VFLYRKYRKRCMKRRODPP--ESRTSSRETIPMNASNLSKYIPIRAEDM 232
 Db 181 LJPPLVWWRKEVOKTCRKRKENQSHIESPTNPETAINLSDVLSKYITTAIGM 240
 Qy 233 TQEAKKFARENNIKEGKIDEMHSDQTAEQKVLICWYQSHGKSDAYQDLIKGLKK 292
 Db 241 TLSQVKEFVRGVNPAAKIDEKDNDVQDTEQKVLICWYQSHGKSDAYQDLIKGLKK 300
 Qy 293 AECRTLIDKFQDMVQDKLKGKSTPDGTMNEGQCL 326
 Db 301 ANLCTLAEKIQTIIKDTDSSENSNFRNEIQSL 334

RESULT 12

US-09-884-987-2
 ; Sequence 2, Application US/09884987
 ; Patent No. US20020102653A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NAGATA, Shigekazu et al
 ; TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE ANTIGEN
 ; FILE REFERENCE: 0020-4877P
 ; CURRENT APPLICATION NUMBER: US/09/884,987
 ; CURRENT FILING DATE: 2001-06-21
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 2
 ; LENGTH: 335
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-884-987-2

RESULT 13
 US-09-935-727-9
 ; Sequence 9, Application US/09935727
 ; Patent No. US20020150583A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Human Genome Sciences, Inc.
 ; TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
 ; FILE REFERENCE: PP454P2
 ; CURRENT APPLICATION NUMBER: US/09/935,727
 ; CURRENT FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: 60/303,224
 ; PRIOR FILING DATE: 2001-07-06
 ; PRIOR APPLICATION NUMBER: 60/252,131
 ; PRIOR FILING DATE: 2000-11-01
 ; PRIOR APPLICATION NUMBER: 60/227,598
 ; PRIOR FILING DATE: 2000-08-25
 ; PRIOR APPLICATION NUMBER: 09/518,931
 ; PRIOR FILING DATE: 2000-03-03
 ; PRIOR APPLICATION NUMBER: 60/168,235
 ; PRIOR FILING DATE: 1999-12-01
 ; PRIOR APPLICATION NUMBER: 60/146,371
 ; PRIOR FILING DATE: 1999-08-02
 ; PRIOR APPLICATION NUMBER: 60/131,964
 ; PRIOR FILING DATE: 1999-04-30
 ; PRIOR APPLICATION NUMBER: 60/131,270
 ; PRIOR FILING DATE: 1999-04-27
 ; PRIOR APPLICATION NUMBER: 60/124,092
 ; PRIOR FILING DATE: 1999-03-12
 ; PRIOR APPLICATION NUMBER: 60/121,774
 ; PRIOR FILING DATE: 1999-03-04
 ; PRIOR APPLICATION NUMBER: 09/006,352
 ; PRIOR FILING DATE: 1998-01-13
 ; PRIOR FILING DATE: 1997-01-14
 ; NUMBER OF SEQ ID NOS: 42
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 9
 ; LENGTH: 335
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-935-727-9

Query Match 47.5%; Score 856; DB 9; Length 335;
 Best Local Similarity 49.4%; Pred. No. 6.5e-65; Mismatches 107; Indels 8; Gaps 3;
 Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
 Qy 1 MLWIAVILPILAG---SOLRVIHTQTSISESLKLRRYHETDKNCSEGLYQGGFCC 56
 Db 1 MLGIVTLLPLVLTSTVARLSSKSVAQYTDNSKGLELRKTVTTVEQNLEIGHHDQFCH 60
 Qy 57 QPCPQPKKKVEDCRNGGTPTCAPTCGKEYMDKRNHYADKGCRCTLCDEBHGLEYEVNTCT 116
 Db 61 KPCPPGERKARCTDVTGDPVCPOGKEYTDKAHSSKCRCLCDEBHGLEYEVNTCT 120
 Qy 117 LTQNTKCKCPDFYCDSPGCEHCVRCASEHGTPECTATNTNCRKQSPPNRLWLTIL 176
 Db 121 RTQNTKCRCKPNFFCNSTVCHECDPTKCEBGLIKECTLTSNTCKEGRSNLGWLCLL 180
 Qy 177 VLIPL-VFLYRKYRKRCMKRRODPP--ESRTSSRETIPMNASNLSKYIPIRAEDM 232
 Db 181 LJPPLVWWRKEVOKTCRKRKENQSHIESPTNPETAINLSDVLSKYITTAIGM 240
 Qy 233 TQEAKKFARENNIKEGKIDEMHSDQTAEQKVLICWYQSHGKSDAYQDLIKGLKK 292
 Db 241 TLSQVKEFVRGVNPAAKIDEKDNDVQDTEQKVLICWYQSHGKSDAYQDLIKGLKK 300
 Qy 293 AECRTLIDKFQDMVQDKLKGSTPDGTMNEGQCL 326
 Db 301 ANLCTLAEKIQTIIKDTDSSENSNFRNEIQSL 334

RESULT 14

